

ND Alternate Assessment

ND Special Education Summer Institute 2019

© 2019 Center for Accessible Teaching, Learning, and Assessment Systems (ATLAS)



1

Topics Covered

- Updated assessment window
- Purpose of instructionally embedded assessments
- DLM[®] Blueprints
- Overview of the new instructional planner
- ND Science for 2019-20



UPDATED DLM ALTERNATE ASSESSMENT



Why is the Assessment Changing?

- Consortium states that use the current testing model decided to transition to two instructionally embedded assessment windows to be consistent with the original intent of the DLM system.
 - Practice of integrated student-centered instruction and assessment throughout the school year
 - Following instruction and assessment, teachers use assessment results to guide next steps in instruction
- Transition will begin in the fall of 2019.



Basics of the Updated DLM Alternate Assessment

- Two equally long instructionally embedded assessment windows, spanning full academic year
 - fall window
 - spring window
- Both windows have requirements identical to the current instructionally embedded assessment window



Goals of Two Instructionally Embedded Assessment Windows

- Provide more accurate representation of what students with the most significant cognitive disabilities know and can do by measuring their learning as instruction occurs throughout the year.
- Support connections to instructional practices by spanning full academic year.
- Support teacher flexibility and decision-making within blueprint requirements for coverage.



Goals of Two Instructionally Embedded Assessment Windows (cont.)

- Integrate instruction and assessment to inform one another.
- Provide instruction and assessment that align to academic goals for students with the most significant cognitive disabilities.



Key Benefits of Two Instructionally Embedded Assessment Windows

- Instruction and assessment occur throughout both windows, and span the full year.
- Assessment results can inform instructional decision-making rather than merely fulfilling legislative mandate.



Key Benefits (cont.)

- Precision of measurement is increased when students are assessed on the same Essential Elements in each window.
- Students are assessed on the full blueprint in each window, providing more opportunities for them to demonstrate what they know and can do.



COMPARISON OF CURRENT AND UPDATED DLM ALTERNATE ASSESSMENT



WHAT STAYS THE SAME?



What Must Be Done Prior to Assessment Stays the Same

- Before creating students' instructional plans
 - Students must be rostered to the test administrator.
 - Test administrators must complete the Required Test Administrator Training.
 - Test administrators must complete and submit the First Contact survey for each student.
 - Test administrators must select Personal Needs and Preferences (PNP) Profile settings for each student.



Blueprints Stay the Same

- Blueprints remain the same.
 - No Essential Elements change for any grade.
 - No criterion in the claims and conceptual areas change.
- Teachers continue to have a wide breadth of Essential Elements from which to choose in English language arts and mathematics.



Scoring Model Stays the Same

- All student responses from both windows are included in summative reporting.
- No changes will be made to performance level calculations or cut points.
- The structure of Individual Student Score Reports will be the same as in the current DLM alternate assessment.



What Else Stays the Same?

- Test delivery remains in Student Portal.
- The average time to complete each testlet remains the same (about 5-15 minutes, depending on subject and the student).
- Teachers can choose to exceed requirements or retest Essential Elements or linkage levels based on individual student goals.



WHAT IS DIFFERENT?



What Are the Main Differences?

- Both assessment windows will involve instructionally embedded assessments.
- Fall window: Sept. 9, 2019 to Dec. 20, 2019.
 - A bit shorter
 - Opens and closes earlier
- Spring window: Feb. 3, 2020 to May 15, 2020.
 - A bit longer
 - Testlets now instructionally embedded



What's the Impact of the Spring Window Also Being Instructionally Embedded?

In the updated DLM alternate assessment during the spring window

- A few additional testlets are needed in each grade for ELA and mathematics.
 - The longer spring window provides more time to cover all blueprint requirements.
- Teachers must create instructional plans.
- Teachers can choose to cover the same or different Essential Elements to meet blueprint coverage requirements in each window.



Advantages of Choosing the Same Essential Elements in Both Windows

 Instruction on each particular Essential Element can be more developed and expanded.

– More depth of instruction

- Student changes and growth will be more evident.
 - Precision of measurement when students are assessed on the same Essential Element in each window
- The Student Learning Profile will have more data to inform it.



Number of Testlets Comparison

- When comparing the current spring assessment window with the updated spring window, a few additional testlets are to be delivered, which will take very little additional time.
- The following slide compares the number of testlets delivered in these two windows.



	ELA			Mathematics			Total	Total
Grade	Current TOTAL testlets both windows	Updated TOTAL testlets both windows	Total increase in testlets from current to updated windows	Current TOTAL testlets both windows	Updated TOTAL testlets both windows	Total increase in testlets from current to updated windows	increase in testlets for <i>both</i> subjects during updated spring window	increase in minutes testing for <i>both</i> subjects during updated spring window
3	12	14	+2	11	12	+1	+3	≈15 min
4	12	14	+2	13	16	+3	+5	≈25 min
5	12	14	+2	12	14	+2	+4	≈20 min
6	12	14	+2	11	12	+1	+3	≈15 min
7	12	14	+2	12	14	+2	+4	≈20 min
8	12	14	+2	12	14	+2	+4	≈20 min
9	10	10	0	11	12	+1	+1	≈5 min
10	10	10	0	11	12	+1	+1	≈5 min
11	10	10	0	11	12	+1	+1	≈5 min

Window Comparison

Current Fall Instructionally Embedded Assessment Window	Updated Fall Assessment Window	Current Spring Assessment Window	Updated Spring Assessment Window
09/19/2018 – 02/27/2019 System closed for maintenance 12/19/18 – 01/02/19	09/09/2019 – 12/20/2019	03/11/2019 – 06/07/2019	02/03/2020 – 05/15/2020
106 Weekdays	75 Weekdays	65 Weekdays	76 Weekdays

• The number of days available for assessment in each window are weekdays only and do not exclude any potential holidays.



What Else is Different?

- Braille testlets will be available in both instructionally embedded assessment windows.
 - Available in UEB
 - In current DLM alternate assessment, braille available only in spring window



RECAP



Recap What Does Not Change with the Updated DLM Assessment

- Completion of Required Test Administrator Training, First Contact survey, and Personal Needs and Preferences (PNP) Profile remains the same.
- Scoring model remains the same.
 - All responses from entire academic year are included in the Individual Student Score Report for ELA and mathematics.
- Test delivery in Student Portal remains the same.
 - Testlets typically take 5-15 minutes depending on subject and student.



Recap What Does Change with the Updated DLM Assessment

- Both assessment windows are about the same length.
 Each window covers about half a year.
- In BOTH windows, teachers create instructional plans, choose Essential Elements and linkage levels, and administer assessments following instruction.
- Requirements for blueprint coverage in both windows.
 - Meeting blueprint requirements twice means a few more total testlets.
 - Students complete approximately 6-9 testlets per subject in both the fall window and the spring window.
- An At-A-Glance summary PDF is available.



PURPOSE OF INSTRUCTIONALLY EMBEDDED ASSESSMENTS



Instructionally Embedded Assessments

- Integrate instruction with assessment seamlessly
- Are based on the student's academic goals
- Administered throughout the school year



Teacher Choice and Flexibility

- Instructionally Embedded alternate assessment allows teachers to choose
 - Essential Elements for instruction based on blueprint guidelines
 - Linkage level for each testlet based on student needs
 - Kite[®] system will suggest a linkage level, but the teacher can select a different level if desired
- When to assess each student based on instruction and assessment window timeframes



Instructionally Embedded Assessments

- Are taken any time during the window when a student is prepared, based on the teacherprovided instruction
- Are an individual assessment—not a group assessment where the class takes the same test at the same time
- Are not to be administered in a bunch at the end of a window, where all testlets are taken in a short time



Using Instructionally Embedded Assessments

- Identify student's knowledge, skills, and understanding relative to grade-level targets
- Utilize student progress reports to
 - Evaluate if additional instruction is needed
 - Determine the student is ready to move on to another linkage level or Essential Element



Instruction and Assessment Cycle

 To best meet the intent of the Instructionally Embedded assessment, instruction and assessment follow a cycle.





DLM BLUEPRINTS



DLM ELA and Mathematics Blueprint

- Is a list of Essential Elements in each claim and conceptual area available for instruction and assessment
- Includes the criterion for Essential Element selection to meet assessment requirements



DLM ELA Blueprint Example

• The grade 4 ELA requirement for conceptual area C1.1 would be for the test administrator to choose at least three Essential Elements, including at least one Reading Literature (RL) and one Reading Informational (RI).

Grade 4: Available Essential Elements and minimum expectation for each student's assessment

Conceptual Area	Essential Element	Description*				
ELA.C1.1	Requirement: Choose at least three Essential Elements in C1.1, including at least one RL and one RI.					
	EE.RL.4.1	Use details from the text to recount what the text says.				
	EE.RL.4.3	Use details from the text to describe characters in the story.				
	EE.RL.4.5 Identify elements that are characteristic of stories.					
	EE.RI.4.1 Identify explicit details in an informational text.					
	EE.RI.4.2 Identify the main idea of a text when it is explicitly stated.					
	EE.RI.4.3	Identify an explicit detail that is related to an individual, event, or idea in a historical, scientific, or technical text.				
	EE.RI.4.5	Identify elements that are characteristic of informational texts.				

DLM ELA Blueprint Example

• The first Essential Element for grade 4 in that conceptual area is EE.RL.4.1 "Use details from the text to recount what the text says."

Grade 4: Available Essential Elements and minimum expectation for each student's assessment

Conceptual Area	Essential Element	Description*				
ELA.C1.1	Requirement: Choose at least three Essential Elements in C1.1, including at least one RL and one RI.					
	EE.RL.4.1	Use details from the text to recount what the text says.				
	EE.RL.4.3	Use details from the text to describe characters in the story.				
	EE.RL.4.5	Identify elements that are characteristic of stories.				
	EE.RI.4.1	Identify explicit details in an informational text.				
	EE.RI.4.2	Identify the main idea of a text when it is explicitly stated.				
	EE.RI.4.3	Identify an explicit detail that is related to an individual, event, or idea in a historical, scientific, or technical text.				
	EE.RI.4.5	Identify elements that are characteristic of informational texts.				
Criterion

- The criterion lists the number and type of Essential Elements that are required to be selected for testing for each claim or conceptual area for a subject and grade to meet blueprint requirements.
- The teacher has freedom to choose the Essential Elements that best align to each student's academic goals as long as the criterion is met.



Linkage Levels within Essential Elements

Essential Element

• After selecting an Essential Element, the linkage level is selected for instruction and assessment.

ELA.EE.RL.4.1

Use details from the text to recount what the text says

Linkage Levels

Initial Precursor:

- Can recognize when he or she encounters familiar people, objects, places, and events **Distal Precursor:**
 - Can identify the behavior and actions of specific characters in a familiar story

Proximal Precursor:

Student can identify the explicitly-stated actions of characters in a story

Target:

 Student can recount events from a narrative using details. They may not be able to provide a complete summary or tell the details in temporal order but the details are accurate

Successor:

• Can recount key details of a story

ELA and Mathematics Blueprint Requirements

For each grade and subject area

- A list of available Essential Elements for each claim or conceptual area is provided.
- The Essential Element selection requirements for each claim or conceptual are delineated.
- The teacher has freedom to choose the Essential Elements that best align to each student's academic goals as long as the requirement is met.



USING THE INSTRUCTION AND ASSESSMENT PLANNER



Enter the Instruction and Assessment Planner





Instruction and Assessment Planner: Entering the Planner

1/0	Logged in as Nancy Keating, Si				Sign Out	
Kito 🛛			Role:	Teacher		*
Λιιτ		0	rganization:	Mike R School	1	*
		Assessme	nt Program:	DLM		*
SETTINGS - MANAGE TE	STS - HELP					
GRADE:	STUDENT NAME:			_		
Select	Select				Search	
Select All	Select All					
	Bassett, Ann			Δ		
	StateID: 6543210987	First Contact	PNP Profile	t Credentials		
		ELA	MATH	SCI		
	View/Create plans	(\rightarrow)	(\rightarrow)	(\rightarrow)		
(Grade 5)	Essential Elements complete that count	0 of 7	0 of 7	NA		
	towards meeting blueprint requirements					
\smile	Number of plans with instruction in	1	1	0		
	progress	-	-			
	Testlets assigned and ready to test	0	0	0		
	Total number of testlets completed	0	0	0		
	Longabaugh, Harry A			Ω		
	StateID: 8765432109	First Contact	PNP Profile	Credentials		
		ELA		SCI		
	View/Create plans	(\rightarrow)		(\rightarrow)		
(Grade 5)	Essential Elements complete that count	0 of 7		NA		
	towards meeting blueprint requirements					
\smile	Number of plans with instruction in	0		0		
	progress					



Instruction and Assessment Planner

- Student Activity Table
 - Dashboard for each student's instructionally embedded testing activity
 - Information includes
 - Essential Elements completed that count towards meeting blueprint requirements
 - Number of plans with instruction in progress
 - Testlets assigned and ready to test
 - Total number of testlets completed



Instruction and Assessment Planner: Navigate to Student View Page

<u>Bassett, Ann</u> StateID: 6543210987	First Contact	PNP Profile MATH	Credentials SCI
View/Create plans		$\overline{\rightarrow}$	\ominus
Essential Elements complete that count towards meeting blueprint requirements	0 of 7	0 of 7	NA
Number of plans with instruction in progress	1	1	0
Testlets assigned and ready to test	0	0	0
Total number of testlets completed	0	0	0



Instruction and Assessment Planner: Student View Page - Blueprint

Choose at least three EE Claim: ELA.C1 Students Conceptual Area: ELA.C ²	s in C1.1, including at leas s can comprehend text in 1.1 Determine critical eleme	st one RL and one RI. —— increasingly complex way ents of text	s.	,	Incomplete
Essential Element	Initial Precursor	Distal Precursor	Proximal Precurso	Target	Successor
ELA.EE.RI.4.1 Identify explicit details in an informational text.	understand object names	name or identify objects in pictures Instruction 07/01	identify concrete detail in : informational text	identify explicit text details and words	identify explicit text details and words
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.2 Identify the main idea of a text when it is explicitly stated.	understand object names	name or identify objects in pictures	identify concrete details in informational texts	identify text topic and related details	identify topic-related words in informational text
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.3 Identify an explicit detail that is related to an individual, event or idea in a historical, scientific, or technical text.	understand object names	use category knowledge to draw conclusions	identify concrete details in an informational text	understand concrete details (person, place, idea)	understand key details
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.5 Identify elements that are characteristic of informational texts.	determine similar or indifferent	name or identify objects in pictures	understands purpose of pictures	recognize informational text characteristics	understand structural purpose of text

Instruction and Assessment Planner: Student View Page

- Blueprint Requirements Blueprint view of student activity for the subject
 - Grouped by requirement, and includes status for each requirement.
 - Within each requirement, includes status for each Essential Element and linkage level.



- 1. Select an Essential Element Linkage Level card.
- 2. Select the **Begin Instruction** button.

Conceptual Alea. ELA.C			
Essential Element	Initial Precursor	Distal Precursor	Proximal P
ELA.EE.RI.4.1	understand object names	ELA.EE.RI.4.2	×
nformational text.		Initial Precursor: The studer demonstrate an understand names by correctly identify	nt can ling of object ing an object
Essential Element	Initial Precursor	or person.	
ELA.EE.RI.4.2 dentify the main idea of a text when it is explicitly stated.	understand object names	Mini-Map	
Essential Element	Initial Precursor	Begin Instructi	ion
ELA.EE.RI.4.3 dentify an explicit detail that is elated to an individual, event	understand object names		



3. Instruction for the Essential Element and linkage level is indicated as In Progress.





4. After instruction, select Instruction Complete Assign Testlet button.





5. Testlet is assigned to student

Choose at least three EEs in C1.1, including at least one RL and one RI.
 Claim: ELA.C1 Students can comprehend text in increasingly complex ways.
 Conceptual Area: ELA.C1.1 Determine critical elements of text

Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor 📕
ELA.EE.RI.4.1 Identify explicit details in an	understand object names	name or identify objects in pictures	identify concrete detail in informational text
		Testlet 06/28 Assigned	
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor
ELA.EE.RI.4.2 Identify the main idea of a text when it is explicitly stated.	understand object names	name or identify objects in pictures	identify concrete details in informational texts
	Testlet 07/01 Assigned		
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor
ELA.EE.RI.4.3 Identify an explicit detail that is related to an individual, event or idea in a historical, scientific.	understand object names	use category knowledge to draw conclusions	identify concrete details in an informational text
or technical text.			



- 6. Administer testlet to student
- 7. Testlet marked as complete

Choose at least three EE Claim: ELA.C1 Student Conceptual Area: ELA.C	Es in C1.1, including at leases can comprehend text in 1.1 Determine critical eleme	st one RL and one RI. —— increasingly complex ways ents of text	s.
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor
ELA.EE.RI.4.1 Identify explicit details in an informational text.	understand object names	name or identify objects in pictures Testlet 06/28 Assigned	identify concrete detail in informational text
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor
ELA.EE.RI.4.2 Identify the main idea of a text when it is explicitly stated.	understand object names	name or identify objects in Epictures	identify concrete details in informational texts
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor
ELA.EE.RI.4.3 Identify an explicit detail that is related to an individual, event or idea in a historical, scientific, or technical text.	understand object names	use category knowledge to draw conclusions	identify concrete details ir an informational text



As instruction is given and testlets are administered and tracked in the planner, the status for each requirement is updated.

Conceptual Area: ELA.C	1.1 Determine critical eleme	nts of text			
Essential Element	Initial Precursor 📕	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.1 Identify explicit details in an informational text.	understand object names	name or identify objects in : pictures	identify concrete detail in : informational text	identify explicit text details	identify explicit text details and words
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.2 Identify the main idea of a text when it is explicitly stated.	understand object names	name or identify objects in t	identify concrete details in informational texts	identify text topic and investigation in the second	identify topic-related words in informational text
Essential Element	Initial Precursor	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.3 Identify an explicit detail that is related to an individual, event or idea in a historical, scientific, or technical text.	understand object names	use category knowledge to draw conclusions	identify concrete details in : an informational text	understand concrete details (person, place, idea)	understand key details
Essential Element	Initial Precursor 📕	Distal Precursor	Proximal Precursor	Target	Successor
ELA.EE.RI.4.5 Identify elements that are	determine similar or times different	name or identify objects in pictures	understands purpose of tipictures	recognize informational text characteristics	understand structural purpose of text



Instruction and Assessment Planner: Other Key Features

- Ability to print blueprint page
- Themes (sensitive text) for English language arts only need to be selected one time for the student and can be updated as needed





STRATEGIES FOR MEETING BLUEPRINT REQUIREMENTS USING THE PLANNER



Strategies for Meeting Blueprint Requirements

When looking at the blueprint, decide what Essential Elements are required for *all* grades in your classroom.



Strategies for Meeting Blueprint Requirements

- Fall and spring Window
 - Same set of ELA and/or mathematics Essential Elements can be taught and assessed during both the fall and spring window.
- Use professional judgment to decide how to create instructional units with the entire class to meet blueprint requirements.



Creating Instructional Units In Your Classroom

ELA Grade 3

Essential Element	Description*			
Requirement:	Choose at least three Essential Elements, including at least one RL and one RI.			
EE.RL.3.1	Answer who and what questions to demonstrate understanding of details in a text.			
EE.RL.3.2	Associate details with events in stories from diverse cultures.			
EE.RL.3.3	Identify the feelings of characters in a story.			
EE.RL.3.5	Determine the beginning, middle, and end of a familiar story with a logical order.			
EE.RI.3.1	Answer who and what questions to demonstrate understanding of details in a text.			
EE.RI.3.2	Identify details in a text.			
EE.RI.3.3	Order two events from a text as "first" and "next."			
EE.RI.3.5	With guidance and support, use text features, including headings and key words to locate information in a text.			

ELA Grade 4

Essential Element	Description*
Requirement:	Choose at least three Essential Elements in C1.1, including at least one RL and one RI.
EE.RL.4.1	Use details from the text to recount what the text says.
EE.RL.4.3	Use details from the text to describe characters in the story.
EE.RL.4.5	Identify elements that are characteristic of stories.
EE.RI.4.1	Identify explicit details in an informational text.
EE.RI.4.2	Identify the main idea of a text when it is explicitly stated.
EE.RI.4.3	Identify an explicit detail that is related to an individual, event, or idea in a historical, scientific technical text.
EE.RI.4.5	Identify elements that are characteristic of informational texts.

- Grade 3 ELA: EE.RI.3.2
 - Identify details in a text

- Grade 4 ELA: EE.RL.4.1 and EE.RL.4.3
 - Use details from the text

Creating an Instructional Unit in Your Classroom

Conceptual Area	Essential Element	Description*		
ELA.C1.1	Requirement	Choose at least three Essential Elements, including at least one RL and one RI.		
	EE.RL.3.1	Answer who and what questions to demonstrate understanding of details in a text.		
	EE.RL.3.2	Associate details with events in stories from diverse cultures.		
	EE.RL.3.3	Identify the feelings of characters in a story.		
	EE.RL.3.5	Determine the beginning, middle, and end of a familiar story with a logical order.		
	EE.RI.3.1	Answer who and what question to demonstrate understanding of details in a text.		
	EE.RI.3.2	Identify details in a text.		
	EE.RI.3.3	Order two events from a text as first" and "next."		
	EE.RI.3.5	With guidance and support, use text features including headings and key words to locate information in a text.		
FLA C1 2	Requirement: Choose two Essential Elements in C1.2 (L, RL or RI) – Essential Elements must be from different			
ELA.CI.Z	strands, i.e., I	RL and L, not RL and RL.		
	EE.RL.3.4	Determine words and phrases that complete literal sentences in a text.		
	EE.RI.3.4	Determine words and phrases that complete literal sentences in a text.		
	EE.RI.3.8	Identify two related points the author makes in an informational text.		
	EE.L.3.5.a	Determine the literal meaning of words and phrases in context.		
	EE.L.3.5.c	Identify words that describe personal emotional states.		
ELA.C1.3	Requirement	Choose at least one Essential Element (RL or RI).		
	EE.RL.3.9	Identify common elements in two stories in a series.		
	EE.RI.3.9	Identify similarities between two texts on the same topic.		
FLA (2) 1	Requirement	All students are assessed in these Essential Elements through the writing assessment. In the		
ELA.CZ.1	Instruction ar	d Assessment Planner, choose one linkage level. See Writing Testlet AO for more detail.		
	EE.W.3.2.a	Select a topic and write about it including one fact or detail.		
	EE.W. 3.4	With guidance and support, produce writing that expresses more that one idea.		

Creating an Instructional Unit in Your Classroom

Mathematics Grade 3

Requirement: Students demonstrate increasingly complex understanding of measurement, data, and analytic procedures.					
Choose two Essential Elements from Claim 3.					
	3.MD.1	Tell time to the hour on a digital clock.			
M.C3.1	3.MD.4	Measure length of objects using standard tools, such as rulers, yardsticks, and meter sticks.			
M.C3.2	3.MD.3	Use picture or bar graph data to answer questions about data.			

Mathematics Grade 4

Requirement: Students demonstrate increasingly complex understanding of measurement, data, and analytic procedures.					
Choose two Essential Elements from Claim 3 in different conceptual areas.					
	4.MD.2.a	Tell time using a digital clock. Tell time to the nearest hour using an analog clock.			
M.C3.1	4.MD.2.b	Measure mass or volume using standard tools.			
	4.MD.2.d	Identify coins (penny, nickel, dime, quarter) and their values.			
M.C3.2	4.MD.4.b	Interpret data from a picture or bar graph.			

Use the Instruction and Assessment Planner as a Tool

- Combine several Essential Elements into an instructional unit and select them at one time.
- When the assessment window opens, select all Essential Elements planned for instruction so a student meets blueprint requirements.
- Print the student view page after making selections and create a timeline for instruction and assessment throughout the window in order to meet requirement.



Instructional Resources

NORTH DAKOTA

- Manuals and Blueprints
- Resources for Educators and District Staff

District Staff Training Resources 🎬

resources designed for district users, including Educator Portal how-to videos and role-specific training videos

Educator Resource Page for English Language Arts and Mathematics resources and job aids to support test administrators

Educator Resource Page for Science

resources to support administrators testing in Science

Educator Resource Videos 🛍

videos provide information about assessment format, accessibility, and Educator Portal procedures



Professional Development Modules

STATES

ABOUT US

KITE[®] SUITE

PROFESSIONAL DEVELOPMENT

Home >> Professional Development

PROFESSIONAL DEVELOPMENT

The Dynamic Learning Maps[®] (DLM[®]) Alternate Assessment Consortium offers professional development modules and a virtual community of practice to support educators who teach and assess students participating in the DLM system. Our professional development site is facilitated by our partners at the University of North Carolina.





ND SCIENCE ASSESSMENT



DLM Science Alternate Assessment Overview

- ND students in grades 4, 8, and 10 will be assessed using the DLM Science Alternate Assessment
- General science assessment



DLM Science Alternate Assessment

Fall Window

- Science Essential Elements for instruction and assessment are selected in the Instruction and Assessment Planner.
- Science testlets are optional in the fall window.
- Science testlets taken are not used for accountability purposes.

Spring Window

- Science Essential Elements are not selected in the Instruction and Assessment Planner.
- Science testlets are delivered by the Kite system.
- Testlets taken in the spring window are used for accountability purposes.



DLM Science Alternate Assessment

Testing for ELA, mathematics and science will

- Use the same testing platform
- Use the same data management system
- Access Profile and First Contact survey completed once per student
- One Required Test Administrator Training will include all content areas
- Science Student Report



DLM Science Essential Elements

- Linked to grade-level expectations identified in A Framework for K-12 Science Education (National Research Council 2012)
- Assessed EEs provided in a Science Blueprint for grade bands elementary, middle, and high school
- Science Blueprint structure
 - Domains
 - Physical Science, Life Science, and Earth and Space Science
 - Core ideas
 - Topics



Essential Elements for Science



Domain:

Core Idea:

Topic:

Physical

the Sun.

Domain: Physical
Core Idea: PS3: Energy
Topic: PS3.D: Energy in Chemical Processes and Everyday Life
 State Standard for General Education: 5-PS3-1: Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the Sun.
Essential Element: EE.5-PS3-1 Target Level: Create a model to describe that energy in animals' food was once energy from the Sun.
Precursor Level: Use models to describe that plants capture energy from sunlight.
Initial Level: Identify simple models that show that plants need sunlight to grow.
Connections to Science Practices Developing and Using Models
Connections to Crosscutting Concepts Energy and Matter
Connections to ELA Essential Elements EE.RI.5.7: Locate information in print or digital sources. EE.SL.5.5: Select or create audio recordings and visual/tactile displays to enhance a presentation.
Connections to Mathematics Essential Elements N/A

Essential Elements for Science



Essential Element: EE.5-PS3-1

Target Level: Create a model to describe that energy in animals' food was once energy from the Sun.

Precursor Level: Use models to describe that plants capture energy from sunlight.

Initial Level: Identify simple models that show that plants need sunlight to grow.

Essential Elements for Science

Connections to Science Practices

Developing and Using Models

Connections to Crosscutting Concepts

Energy and Matter

Connections to ELA Essential Elements

EE.RI.5.7: Locate information in print or digital sources. EE.SL.5.5: Select or create audio recordings and visual/tactile displays to enhance a presentation.

Connections to Mathematics Essential Elements

N/A

Physical Core Idea: PS3: Energy Topic: PS3.D: Energy in Chemical Processes and Everyday Life State Standard for General Education: 5-PS3-1: Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the Sun. Essential Element: EE.5-PS3-1 Target Level: Create a model to describe that energy in animals' food was once energy from the Sun. Precursor Level: Use models to describe that plants capture energy from sunlight. Initial Level: Identify simple models that show that plants need sunlight to arow **Connections to Science Practices** Developing and Using Models **Connections to Crosscutting Concepts** Energy and Matter

Connections to ELA Essential Elements EE.RI.5.7: Locate information in print or digital sources. EE.SL.5.5: Select or create audio recordings and visual/factile displays to

enhance a presentation.

Connections to Mathematics Essential Elements

N/A

Domain

Science Assessment Design

Testlets

- Assess one EE
- 3-5 items
- Engagement activity
 - To motivate student, provide context, and activate prior knowledge
 - Format
 - Short story-read once like in mathematics
 - Longer story—read twice like ELA
 - Video-short, approximately 30 seconds
- Item type: multiple choice
- Nine testlets which cover the entire blueprint system routes students to testlets at the appropriate linkage level for each EE



Science Testlet Linkage Levels

- Target
 - Aligned to the content of the Essential Element
 - Most complex level
- Precursor
 - Less complex than the Target
 - Provide access to the Target level
- Initial
 - Less complex than the Precursor
 - Provide access to the Target level
 - Least complex level
Essential Element and Linkage Levels EE.MS-PS2-2

- Target Level
 - Investigate and predict the change in motion of objects based on the forces acting on those objects.
- Precursor Level
 - Investigate and identify ways to change the motion of an object (e.g., change an incline's slope to make an object go slower, faster, further).
- Initial Level
 - Identify ways to change the movement of an object (e.g., faster, slower, stop).



Assessment Administration Time

- Approximately 5-15 min per testlet
- Approximately 45-135 min total testing time
- Flexible scheduling—deliver one or more testlets in a single session



Science Educator Resource Page

SCIENCE RESOURCES

for Alaska, Arkansas, Delaware, District of Columbia, Illinois, Iowa, Kansas, Maryland, Miccosukee, Missouri, New Hampshire, New Jersey, New York, North Dakota, Oklahoma, Rhode Island, West Virginia, and Wisconsin

Science Professional Development Modules

Three science professional development modules are now available to states. The modules are hosted on the **modules page** of the DLM professional development website, on the Science tab, and are available in both facilitated and self-directed formats.

Essential Elements Collections Lists Sample TIPs Instructional Activities

Essential Elements

• Currently Tested Essential Elements for Science

lists of PDFs for each Essential Element available for assessment. These PDFs provide the nodes at each linkage level and a mini-map that shows the pathways between the nodes

Development of DLM Essential Elements for Science (pdf)

a short description of how Essential Elements in science were developed

- Essential Elements for Science (pdf)
- General Science Blueprint Phase 1 (pdf) pool of available preliminary Essential Elements (EEs) for Science
- Science Blueprint Phase 1 with Biology DE and DC Only (pdf) pool of available preliminary Essential Elements (EEs), including High School Biology, for Science

Learning Map Resources

Guide to Practice Activities and Released Testlets (pdf)

Science Educator Resource Page

		Sample IIPs	Instructional Activities	
structional Activities				
ience instructional activities support teachers who	are beginning to use the DLM Science Essenti	al Elements during instruction. Model activities fo	r each grade span (Elementary, Middle, and Hig	h School) are located l
EE.5.ESS1-2: The Daylight Hours				
EE.5.LS2-1: Food Cycles				
EE.5.PS3-1: Energy from the Sun				
EE.MS.ESS2-6: Weather Watchers				
EE.MS.LS2-2: What Animals Eat				
EE.MS.PS1-2: Chemical Changes				
EE.HS.ESS3-3: Conserving Natural Resources				
EE.HS.LS1-2: Respiratory System				

Science Professional Development Modules

- 7 PD modules available
 - DLM Science Standards Framework Part 1 and 2
 - Science and Engineering Practices Part 1 and 2
 - Instructional Strategies for Teaching DLM Science
 - Part 1, 2, and 3





For more information: https://dynamiclearningmaps.org/northdakota

