Dynamic Learning Maps® (DLM®) District and Building Administrator Training

Science Only

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Audience and Purpose
District and Building Administrators
• This training provides information about the
  – DLM system
  – Eligibility
  – Assessment delivery
  – Monitoring Resources

Overview
• Core beliefs
• Assessment design
• Accessibility supports
• Assessment delivery
• Reports and resources

CORE BELIEFS

DLM Core Beliefs
• The DLM system provides accessibility by design with two main core beliefs:
  – All students should have access to challenging, grade-level content.
  – Test administrators should adhere to the highest levels of integrity in providing instruction and in administering assessments based on this challenging content.
DLM Science

- DLM science assessments are available in grade bands: 3-5, 6-8, and high school.
- States choose the grades within each grade band.

Standards: Essential Elements

- Are learning targets for the assessments
- Bridge from grade-level content standards to academic expectations for students with the most significant cognitive disabilities
- Link to grade-level standards in each state

Sample Elementary Science Blueprint

<table>
<thead>
<tr>
<th>Topic</th>
<th>Essential Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELSA</td>
<td>1.1.S4.1-I</td>
<td>Measure and compare weights of substances before and after heating, cooling, or mixing substances to show that weight of matter is conserved.</td>
</tr>
<tr>
<td>ELSA</td>
<td>1.1.S4.3-I</td>
<td>Make observations and measurements to identify materials based on their properties (e.g., weight, shape, texture, hardness, color, or magnetic.).</td>
</tr>
</tbody>
</table>

Linkage Levels

- Provide levels of complexity for each Essential Element
  - Science has three linkage levels.
  - Each testlet a student takes includes items written to a particular linkage level.
- Are based on data about the student entered in the system by the student’s teacher
- Progress in complexity of skills
### Linkage Levels for Science

<table>
<thead>
<tr>
<th>Linkage Level</th>
<th>Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial</td>
<td>Least complex</td>
</tr>
<tr>
<td>Proximal</td>
<td>More complex</td>
</tr>
<tr>
<td>Target</td>
<td>Most complex; Aligns with Essential Element</td>
</tr>
</tbody>
</table>

### Testlets
- Testlets are short assessments.
- The assessment as a whole is comprised of a series of testlets that are taken one at a time across multiple testing sessions.
- To help establish instructional relevance, each testlet begins with an engagement activity followed by 3-9 items.
- Each testlet assesses only one Essential Element.

### Item Type
- Single-select multiple choice

### Testlet Types
- Computer-delivered
- Teacher-administered

### Computer-Delivered Testlets
- Administered directly to the student via computer
- Designed to allow the student to interact independently with the computer
  - Can use assistive technology
- Are more common at upper linkage levels

### Teacher-Administered Testlets
- Online content is for the test administrator.
- Test administrator sets up, delivers, and records responses.
- This type of testlet is common at the Initial linkage levels.
- Testlets may include picture response cards.
ASSESSMENT DELIVERY

Personal Learning Profile
- Personalized for each student
  - First Contact survey settings
  - Personal Needs and Preferences (PNP) Profile settings

First Contact Survey and PNP Profile
- PNP Profile
  - Display
  - Language & Braille
  - Audio & Environment
  - Other Supports

  - First Contact Survey
    - Communication
    - Academics
    - Sensory Characteristics
    - Motor Characteristics
    - Computer Access

Kite® Educator Portal
- Educator Portal
  - Student data
  - Rosters
  - First Contact survey
  - Personal Needs and Preferences (PNP) Profile
  - Instruction and Assessment Planner

Kite Student Portal
- Welcome back, First1095593!
- Students use Student Portal to take their testlets.
Testlet Time

- The time needed to administer a single testlet varies depending on the student.
  - Most testlets take 5 to 15 minutes to complete.

Considerations

- Scheduling flexibility
- Many allowable practices
- Some practices not allowed
- Check the ACCESSIBILITY MANUAL and TEST ADMINISTRATION MANUAL

Assessment Windows

- Spring assessment window (required)
- Instructionally embedded assessment window (optional)

Spring Assessment Window

- Students are assessed on the entire science blueprint.
- The system selects the Essential Element and assigns the linkage level.
- Each grade selected in a grade band receives 9 testlets.

Delivery During the Spring Assessment Window

- Adaptive delivery
  - Linkage levels adjust between testlets based on student performance
- One testlet at a time
  - Student takes testlet
  - Testlet is scored
  - Next testlet arrives
  - Process for score, adaptation, and delivery about 15 minutes

Optional Instructionally Embedded Assessment Window

- Optional
- Occurs during the fall and winter months
  - Teacher provides instruction and delivers testlets to check for understanding
  - Number of testlets delivered can vary among students

Follow state guidance.
Extracts and Reports

- Available in Educator Portal
  - Under the Reports tab
- Based on user role
  - District users = district-level reports
  - Building users = building-level reports
  - Teachers = student and class reports
- Provided in CSV format for extracts
- Provided in PDF format for reports

Extracts

- Current Enrollment
- DLM Test Administration Monitoring
- First Contact Survey File
- PNP Settings Count
- PNP Settings
- Roster
- Security Agreement Completion
- Training Status
- Users

DLM Test Administration Monitoring Extract

- During the optional instructionally embedded assessment window
  - Number of instructionally embedded testlets
    - not started (plans created but testlet not assigned)
    - in progress
    - completed
  - During spring assessment window
    - Number of testlets
      - not started
      - in progress
      - completed
      - required
    - Field test, if taken

Reports
Student Progress Report

- Summarizes a student’s progress during the optional instructionally embedded assessment window
- Will not display any testlet delivered during the spring assessment window
- Is useful when planning or reviewing instruction for a student
- Displays planned and assessed Essential Elements and linkage levels, the grade-level expectation (Essential Element), and whether the student has demonstrated mastery at that level

Class Roster Report

- Is only applicable for instructionally embedded testlets (not spring assessments)
- Displays most recent assessment and current instructional goals by Essential Element for one or more students on a roster

Individual Student Score Reports

- Are available after the spring assessment window has closed
- Are accessible depending on which user roles have state permission to view the reports
- Are summative reports
- Provide student results from the year’s DLM assessments
Individual Student Score Reports

- Individual Student Score Reports (ISRs) provide results from ONLY the spring assessments.
  - They are comprised of a Performance Profile and a Learning Profile.
- Resources are available for understanding the reports and how to explain them to parents and guardians.
- Check with your assessment coordinator about when your Individual Student Score Reports will be available.

Aggregate Reports

- Summarize testing results across the district, school, or class in PDF format
- Provide the number of students tested by grade, subject, and performance level
- Are released based on user role

Archived Reports

Summary of Extracts and Reports

- Many helpful extracts and reports are available in Educator Portal.
- Check the Educator Portal User Guide for help on how to access and use the resources.

Parent Resources

- Parent Interpretive Guide (also in Spanish)
- Parent Cover Letter for Score Reports
- Student Portal
  - Can be downloaded on a home computer/tablet
  - Use practice activities and released testlets

Additional Resources

- Professional development
  - More than 50 instructional modules (three specific to science)
  - A variety of instructional resources including books that can be read with a student
- Writing tools are available if a student cannot use a standard pencil or computer keyboard
- Communication supports if a student struggles to use speech to communicate
- A virtual community of practice to interact with other families
Summary of Manuals

- ACCESSIBILITY MANUAL
- ASSESSMENT COORDINATOR MANUAL
- DATA MANAGEMENT MANUAL
- EDUCATOR PORTAL USER GUIDE
- TECHNOLOGY SPECIFICATIONS MANUAL
- TEST ADMINISTRATION MANUAL

Conclusion

- DLM assessments
  - Are designed for students with the most significant cognitive disabilities
  - Enable students to better demonstrate what they know, understand, and can do academically in relationship to the Essential Elements in science
  - Reflect a reduced depth, breadth, and level of complexity
  - Present accessible content, accessible design, and accessible delivery
  - Include available reports and extracts to help monitor assessments

THANK YOU!

If you have further questions, contact the DLM Service Desk at 1-855-277-9751, email dlm-support@ku.edu, or visit dynamiclearningmaps.org