

PREPARING MONTANA STUDENTS FOR SUCCESS

MAST Testing Supports in DreamBox Math!

DreamBox Math supports Montana's MAST testing by familiarizing students with interactive, technology-enhanced items similar to those on the tests. Its personalized pathways promote critical thinking and active learning while building confidence and reducing test anxiety, preparing students for success on MAST's through-year assessments.

Standards Alignment in Assessment

MAST Assessment Example

Gr	Testlet	Standards
3	Concepts of Multiplication and Division	3.OA.1 3.OA.2 3.OA.3

Students can complete two assignments per week aligned to two standards selected for the upcoming MAST testing window.

DreamBox Math Standards-Aligned Assignment

10 weeks

Select

DreamBox Units	Montana
----------------	---------

Grade 3

Operations and Algebraic Thinking

Search for a standard or cluster...

All standards in domain

Represent and solve problems involving multiplication and division.

3.OA.1
3.OA.2
3.OA.3
3.OA.4

Understand properties of multiplication and the relationship between multiplication and division.

<	K	1	2	3	4	5
Kindergarten						
K.CC.A1	Proficient					
K.CC.A2	In Progress					
K.CC.A3	Not Started					

Standards

View proficiency data across grade levels, domains, and individual standards

Select

Teachers can run standards proficiency reports to see which students are or are not proficient prior to the MAST window opening.

Item Interactions

Interaction Types: Montana Aligned to Standards Through-Year (MAST)

40% choice (single- or multiple-select multiple choice)

40% constructed response (numeric text entry only)

20% technology-enhanced (matching table, inline choice, gap match, hot spot, hot text, order)

Examples of how DreamBox Math uses interactive responses features similar to those found on MAST testlets:

Lower Elementary (K-2)

Editing Task Choice

Editing task choice items allow students to select their response(s) from a drop-down menu.



Upper Elementary (3-5)

Selectable Hot Text

Selectable text items allow students to select one or more correct answers from a number of options included in lists, embedded within text, or in a table.



Multiselect

Multi-select items allow students to select all correct answers from a number of options.



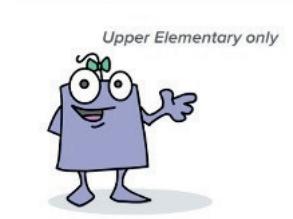
Graphic Response Item Display (GRID)

GRID items ask students to use a combination of tools and features to create a response(s) on a graph.



Equation Editor

Equation editor items allow students to enter a number, variable, expression, or equation, in a response box using a toolbar.



Matching Item

Matching item requires students to indicate whether information from a column or header matches information from a row.

