

MONITORING REPORT: Policy R-2.2 (Academic Achievement: Mathematics)

PHASE ONE: Interpretation, Benchmark Data, and Goals

DATE: June 2018

Policy

All students will master the skills and demonstrate proficiency in each required discipline and electives:

Discipline: Mathematics

Interpretation

We understand this policy expresses the School Board’s expectation that all students in each grade band will demonstrate mastery of state-defined math content, concepts, and practices as measured by state and/or local assessments – or they will provide evidence they are making reasonable progress toward such mastery.

Benchmark Data

At the ELEMENTARY level, Ferndale students in grades 3, 4, and 5 are formally assessed in math each spring using the Smarter Balanced Assessment. Prior to grade 3, students’ math understanding and skills are regularly evaluated with other local and/or state assessments. As early as the first quarter of kindergarten, we gather data on students’ mathematical thinking using the state’s WA KIDS assessment.

Math achievement data from the 2017-2018 Smarter Balanced Math assessment of elementary students (grades 3, 4, and 5) are displayed in the following chart.

Ferndale School District SMARTER BALANCE MATH 2017-2018 Percentage of elementary students...						
Grade	Level 1 Well Below Standard	Level 2 Below Standard	Level 3 Meets Standard	Level 4 Exceeds Standard	Total Meets or Exceeds 2017-2018	Goals for 2018-2019
3	27%	26%	34%	13%	47%	51.7%
4	18%	33%	26%	23%	49%	54.1%
5	30%	26%	22%	22%	44%	48.4%

At the MIDDLE level, Ferndale students in grades 6, 7, and 8 are formally assessed in math each spring using the Smarter Balanced Assessment.

Math achievement data from the 2017-2018 Smarter Balanced Math assessment of middle level students (grades 6, 7, and 8) are displayed in the following chart.

Ferndale School District SMARTER BALANCE MATH 2017-2018 Percentage of middle level students...						
Grade	Level 1 Well Below Standard	Level 2 Below Standard	Level 3 Meets Standard	Level 4 Exceeds Standard	Total Meets or Exceeds 2017-2018	Goals for 2018-2019
6	32%	28%	22%	18%	40%	44%
7	30%	30%	22%	19%	41%	45.1%
8	36%	24%	20%	20%	40%	44%

At the HIGH SCHOOL level, Ferndale students are enrolled in content-specific math classes based on their previous demonstration of proficiency and mastery of math standards. Currently, our high school students are required to demonstrate proficiency in Algebra, Geometry, and Algebra II (or another pathway math course) as reflected by end-of-course grades. Students in grade 10 and 11 are formally assessed in math each spring using the Smarter Balanced assessment.

Math achievement data from the 2017-2018 Smarter Balanced Math assessment of high school students (grades 10 and 11) are displayed in the following chart.

Ferndale School District SMARTER BALANCE MATH 2017-2018 Percentage of high school students...						
Grade	Level 1 Well Below Standard	Level 2 Below Standard	Level 3 Meets Standard	Level 4 Exceeds Standard	Total Meets or Exceeds 2017-2018	Goals for 2018-2019
10	38%	30%	18%	14%	32%	35.2%
11	33%	42%	19%	6%	25%	27.5%

Goals

Our goal for the next year is to increase the percentage of students meeting or exceeding standard in math, as measured by the Smarter Balanced Assessment, by at least 10% at each grade level, which would result in the numbers in the green shaded column in the charts above. Although we recognize a 10% increase does not seem to go far enough toward closing the gap between where we currently are and the goal of

ALL students achieving mastery, it is the increase recommended by the Office of the Superintendent of Public Instruction for Washington State as reasonable progress.