BEMIDJI AREA SCHOOLS
BEMIDJI, MINNESOTA

DATE: NOVEMBER 21, 2016

TO: BOARD OF EDUCATION

FROM: KATHY PALM, DIRECTOR OF CURRICULUM & ADMIN. SERVICES

SUBJECT: FALL 2016 MEASURES OF ACADEMIC PROGRESS (MAP) & AIMSweb
RESULTS

COMMENTS:
Measures of Academic Progress (MAP):
The Northwest Evaluation Association (NWEA) MAP assessments are computerized norm-referenced assessments. Grades 2-9 complete MAP reading and math assessments in the fall and spring. MAP is aligned with the Minnesota Academic Standards and provides detailed information and growth measures that help teachers determine areas to focus instruction.

On the tables below, **green** indicates 3 or more points above the norm RIT; *red* indicates 3 or more points below the norm RIT. Shading indicates the strand with the lowest RIT score.

READING:
  ➢ In all grades and strands except the grades 2 and 3 Information Text strand, students are performing within 3 points of the Reading norm mean RIT. This is the first time second graders have taken this computerized assessment, and it can be stressful for some.

  ➢ The reading strand with the greatest concern is **Informational Text**, a new focus with the Common Core Language Arts Standards.

  ➢ Bemidji students are performing well in Literature. Grades 6 and 8 need more focus on Vocabulary.

  ➢ Grades 6, 7, 8 & 9 are performing more than three points above the norm RIT in every reading strand.

Reading					Strands		
Group	Grade	# Students	Mean RIT	Literature Mean RIT	Informational Text Mean RIT	Vocabulary Mean RIT	2015 Norm Mean RIT
Fall 2016	2	394	171.9	172.7	*170.1*	172.9	174.7
Fall 2016	3	431	186.1	186.8	*185.2*	186.4	188.3
Fall 2016	4	397	196.5	196.7	195.9	197.0	198.2
Fall 2016	5	386	205.3	205.3	205.1	205.5	205.7
Fall 2016	6	346	**214.7**	**215.0**	**214.8**	**214.5**	211.0
Fall 2016	7	332	**219.6**	**219.9**	**219.2**	**220.0**	214.4
Fall 2016	8	361	**223.0**	**223.2**	**222.9**	**222.9**	217.2
Fall 2016	9	364	**226.4**	**226.4**	**225.7**	**227.0**	220.2

MATHEMATICS:

- ➢ Grades 3-9 students are performing within 3 points of the math norm mean RIT and strands.

- ➢ Grade 2 students are performing below three points of the mean in all but one strand.

- ➢ The math strands with the greatest concern are:
  - Number & Operations for Grades 2 & 4
  - Algebra for Grades 3 & 8
  - Geometry and Measurement for Grades 7 & 9
  - Data Analysis for Grades 5 & 6

- ➢ Overall, Bemidji students are performing well in math.

- ➢ Grades 6, 7, 8 & 9 are performing more than three points above the norm RIT in every math strand except Grade 6 in Data Analysis.

Mathematics				Strands				
Group	Grade	# Students	Mean RIT	Number & Operation Mean RIT	Algebra Mean RIT	Geometry & Measurement Mean RIT	Data Analysis Mean RIT	2015 Norm Mean RIT
Fall 2016	2	391	***173.5***	***172.1***	175.3	***173.9***	***172.9***	176.9
Fall 2016	3	430	189.2	189.2	188.8	189.6	189.2	190.4
Fall 2016	4	398	201.7	201.5	202.0	201.8	201.8	201.9
Fall 2016	5	388	211.3	212.1	212.1	212.1	208.8	211.4
Fall 2016	6	345	**221.6**	**222.1**	**221.7**	**222.4**	219.9	217.6
Fall 2016	7	331	**228.7**	**230.1**	**226.7**	**228.4**	**229.5**	222.6
Fall 2016	8	362	**236.4**	**236.0**	**235.2**	**237.0**	**237.4**	226.3
Fall 2016	9	374	**241.1**	**241.2**	**243.4**	**239.4**	**240.3**	230.3

In May, we will measure the student growth from Fall 2016 to Spring 2017.

AIMSweb:

Pearson's AIMSweb is the district assessment for Kindergarten and Grade 1. It is administered to students individually three times a year to measure their growth in reading and math. The AIMSweb data is used by Response to Intervention (RtI) teams to determine which students need interventions in reading or math. We also report the reading results to MDE to comply with the Reading Well by Third Grade requirements.

The information below shows the percentage of students who are in Tier I, or expected grade level. According to RtI, the ideal percentage for students in Tier I is 80%. Bemidji is not yet at 80% in all tests, but we have shown excellent improvement each year. Tier I reflects core instruction, Tier II requires intervention and monitoring, and Tier III requires intensive interventions.

Key:
- Red = Less than 60% in Tier I
- Black = 60% - 74%
- Green = 75% or higher in Tier I

FALL 2015 & 2016 AIMSweb READING:
The following data shows the Fall 2015 AIMSweb results for Kindergarten and Grade 1. These results show that our youngest students are stronger in math than reading. We will measure and report their growth in the spring of the year.

	Kindergarten % at Tier I		**Grade 1** % at Tier I	
	Fall 2015	Fall 2016	Fall 2015	Fall 2016
Letter Naming Fluency	52.0%	56.0%	54.0%	49.0%
Letter Sound Fluency	50.0%	57.0%	54.7%	52.0%
Phoneme Segmentation			58.1%	56.0%
(Phoneme Segmentation is the ability to break words down into individual sounds.)				
Nonsense Word Fluency			49.4%	45.5%

FALL 2015 & 2016 AIMSweb MATHEMATICS:

	Kindergarten % at Tier I		**Grade 1** % at Tier I	
	Fall 2015	Fall 2016	Fall 2015	Fall 2016
Oral Counting	60.0%	62.0%	67.0%	62.0%
Number Identification	63.5%	63.0%	59.0%	56.0%
Quantity Discrimination	64.0%	67.2%	69.2%	66.5%
Missing Number	67.3%	73.0%	67.0%	61.0%
Math Computation			74.0%	66.0%