

NKNSD

Kindergarten - 5th Grade 2017 - 2021 Math Data

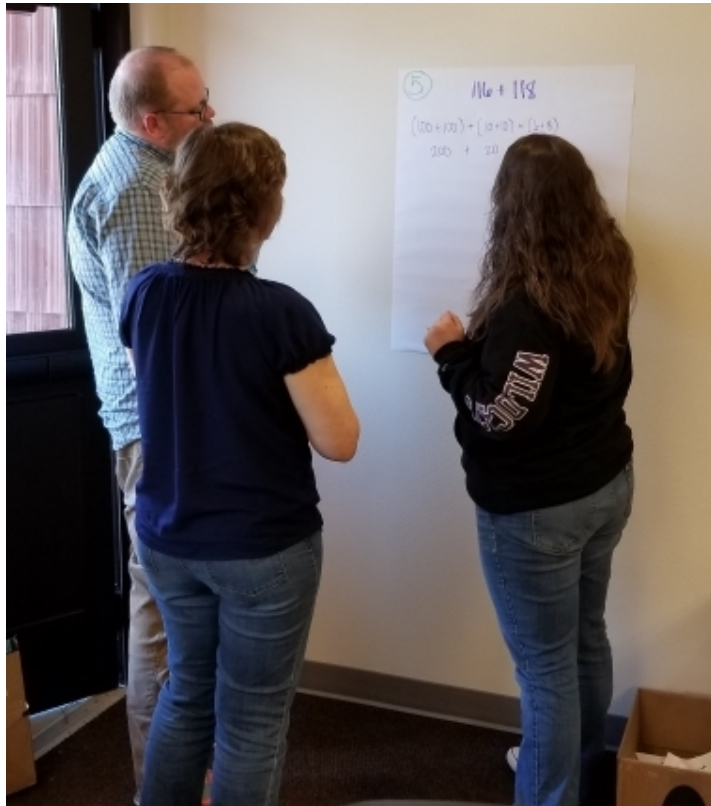
*"Neah-Kah-Nie School District is
committed to providing a first class
education to every student."*

-NEAH-KAH-NIE SCHOOL DISTRICT

Presented by **Spring Chang**, Math Consultant

NES/GGS Math Coach: April 2018 - Current





Professional Development

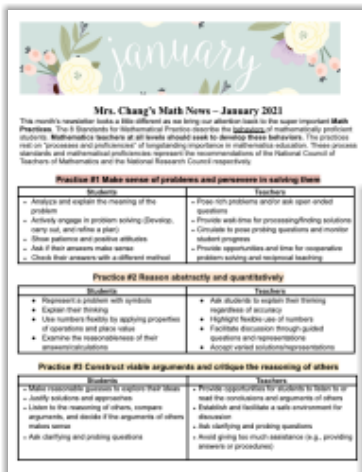
- Math Workshop
- Managing Small Groups
- Math Writing
- Creating Student Independence
- Ready/i-Ready (Math Curriculum)
- Student Math Discourse
- Reaching All Learners
- Differentiation
- Intervention
- Scoring Guidelines for CARE Team
- Assessment Alignment

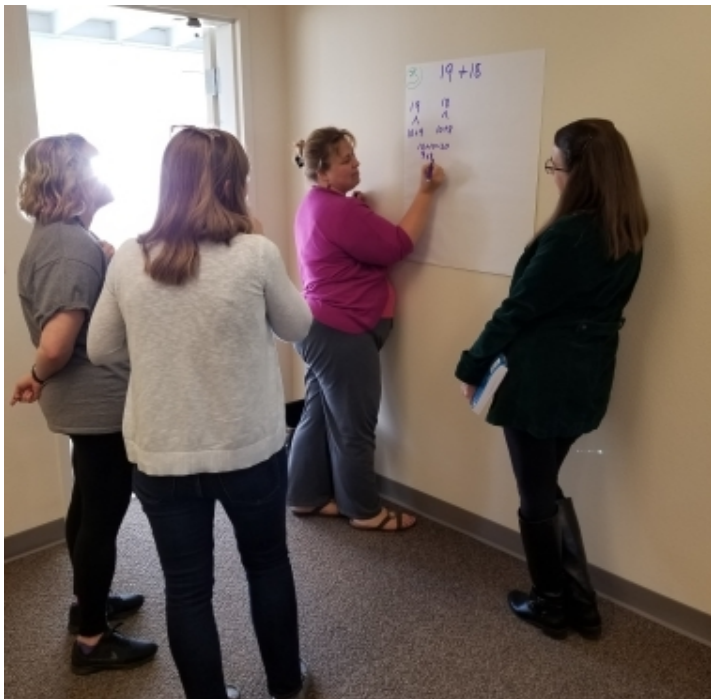
Instructional Routines

- 3 Reads
- Number Talks
- Which One Doesn't Belong
- This or That
- Number Talks
- My Favorite Mistake
- Try it, Discuss it, Connect it

Resources

- Math Practice Games
- Math Activities to Reinforce Foundational Skills
- Monthly Newsletters

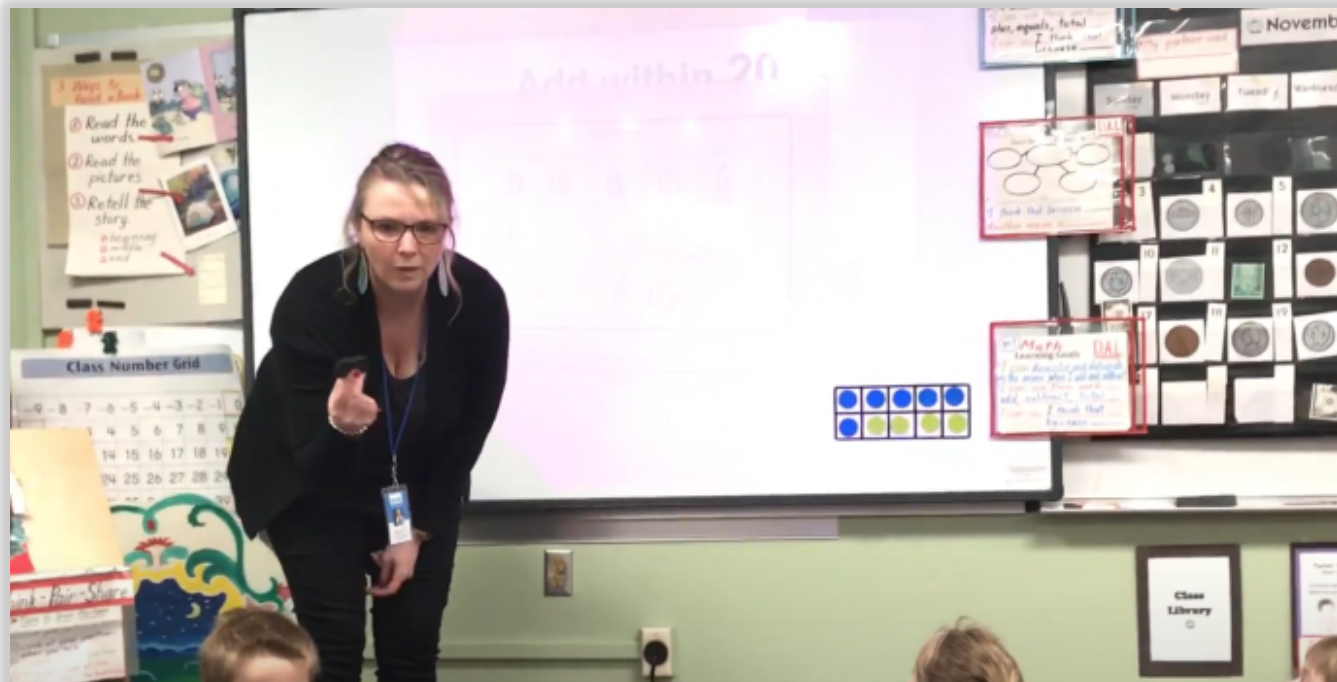




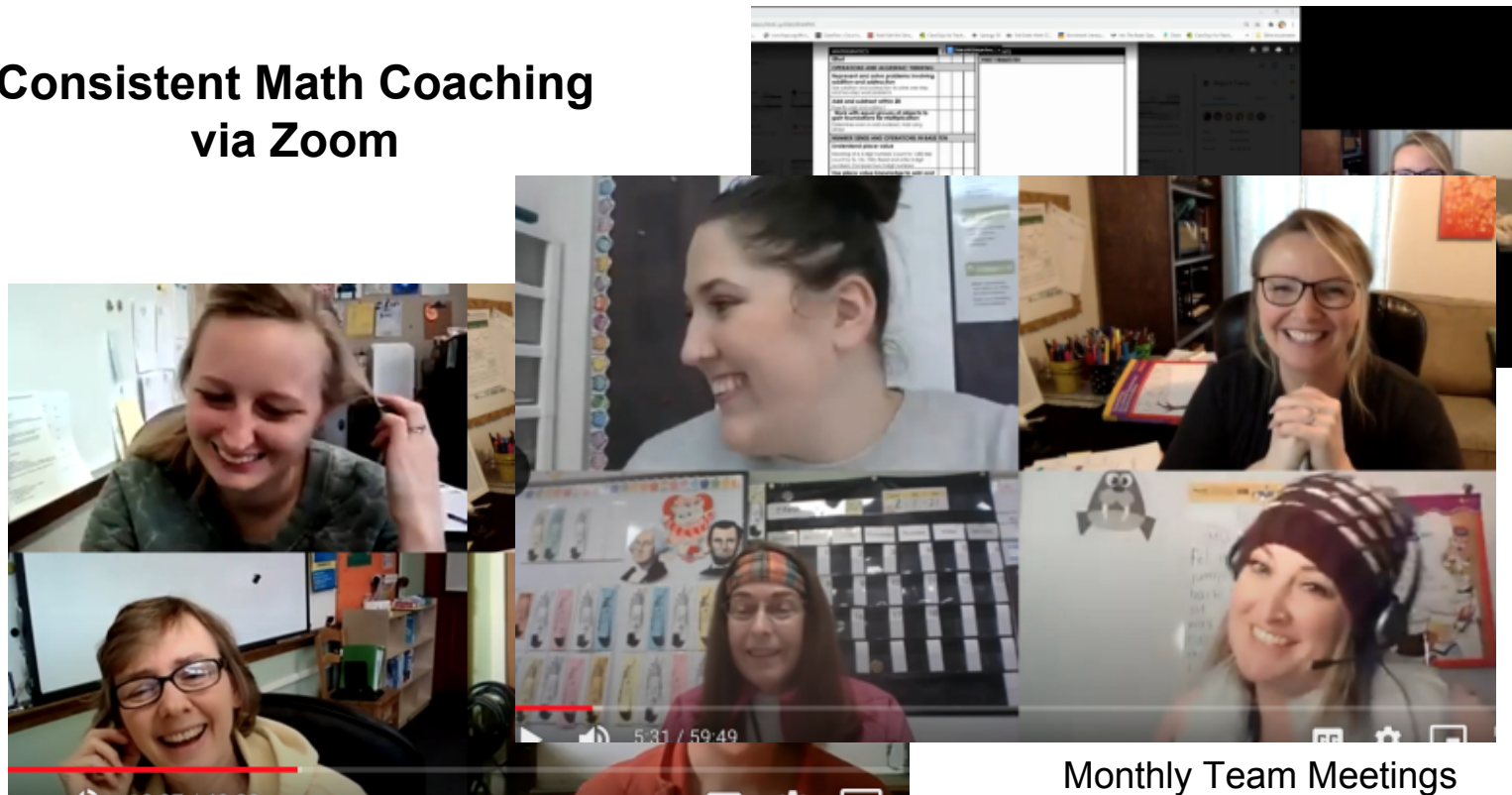
Planning/Collaborating

- Common Core Standards
- Ready Classroom Curriculum
- i-Ready Data & Reports
- i-Ready Resources
- i-Ready Diagnostic Support
- Annual Pacing
- Progressions of Student Learning
- John Hattie's Effect Sizes
- Math Identity, Equity & Agency
- Formative Assessments
- Comprehension Checks

K – 5 Model Teaching



Consistent Math Coaching via Zoom



Monthly Team Meetings

Assessment Overview

Where does the math data come from?

Screeners vs. Diagnostic



Reading Data - Screener

The Dynamic Indicators of Basic Early Literacy Skills® (**DIBELS**) are a set of procedures and measures for **assessing** the acquisition of early literacy skills. They are designed to be short (one minute) fluency measures used to regularly monitor the development of early literacy and early **reading** skills.

Math Data - Diagnostic

i-Ready Diagnostic: A Complete Picture of Student Performance and Growth. **i-Ready Diagnostic** is an adaptive assessment designed to provide teachers with actionable insight into student needs. The **Diagnostic** offers a complete picture of student performance and growth, eliminating the need for multiple, redundant **tests**.

A **screening test** tells a teacher more **testing** may be needed, and a **diagnostic test** gives more detailed information.

I-Ready Math Diagnostic

Quantity

The i-Ready Math Diagnostic is given three times a year. Fall, winter and spring.

It is common practice not to assess kindergartners in the fall.

Time

It takes about 1 hour to complete. That does not include setting up the computer/mouse, logging in to the program and the built in brain breaks on the computer.

Overall

The assessment covers 4 domains in math: Numbers & Operations, Algebraic Thinking, Measurement & Data, and Geometry.

After the assessment students are provided with interactive lessons to teach the parts of math they have not mastered yet. Each lesson provides instruction, practice and a quiz.

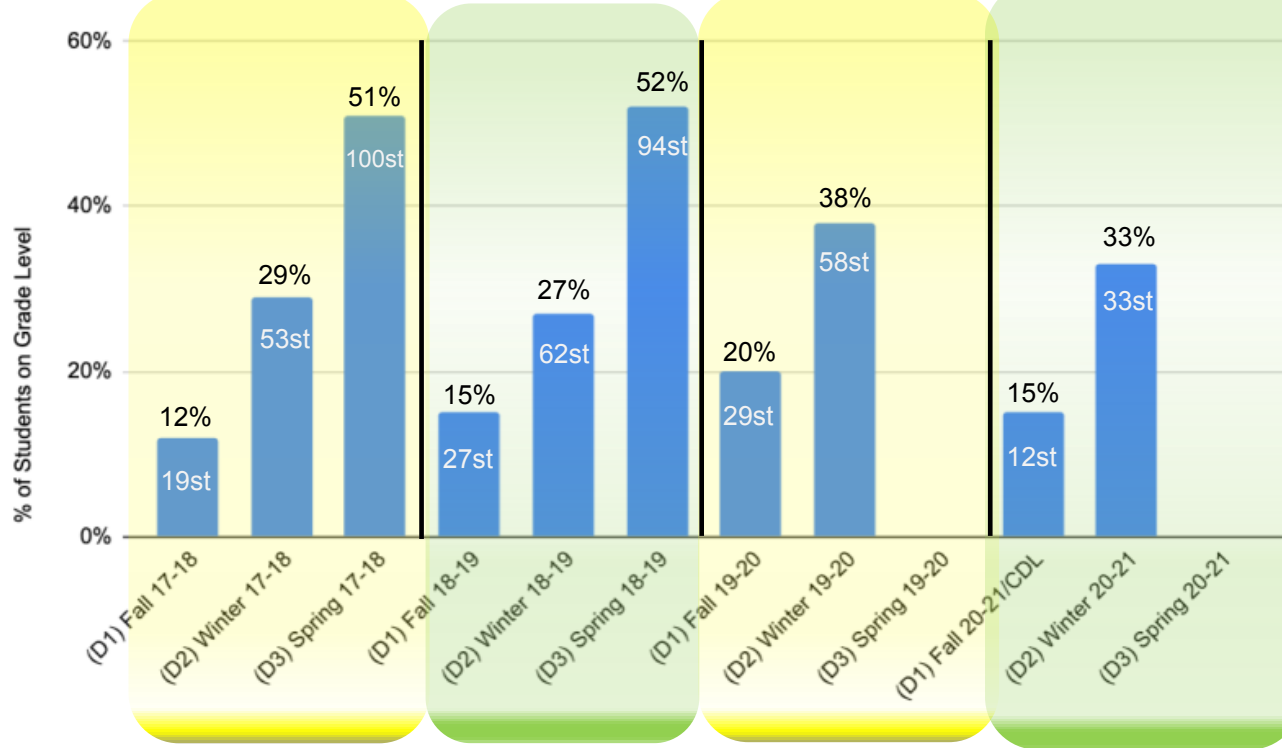
The diagnostic data gives us
three levels of student proficiency:

- *On or Above Grade Level*
- *One Grade Level Below*
- *Two or More Grade Levels
Below*

School Wide Math Data Trends

Comparing: All Math Data from 2017 – 2018 to 2020-2021

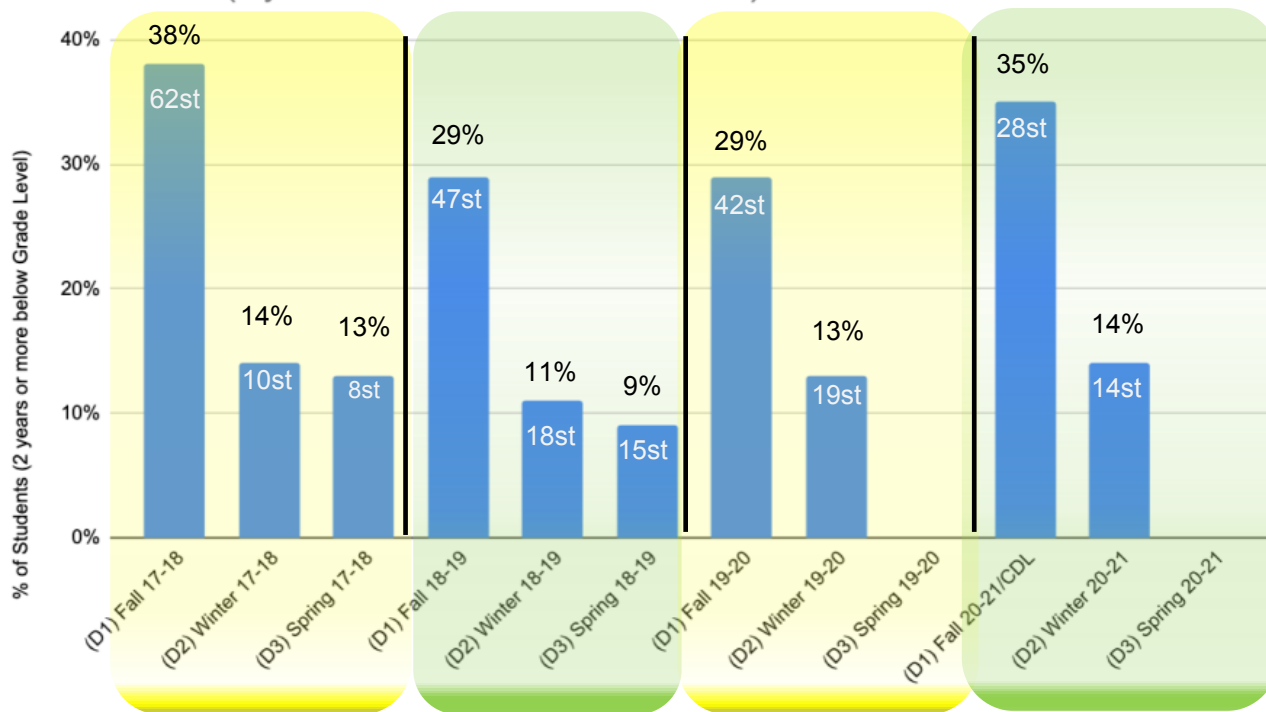
% of Students on Grade Level



HOME OF THE WOLVES

Garibaldi
Grade
School –
Home of
The Wolves

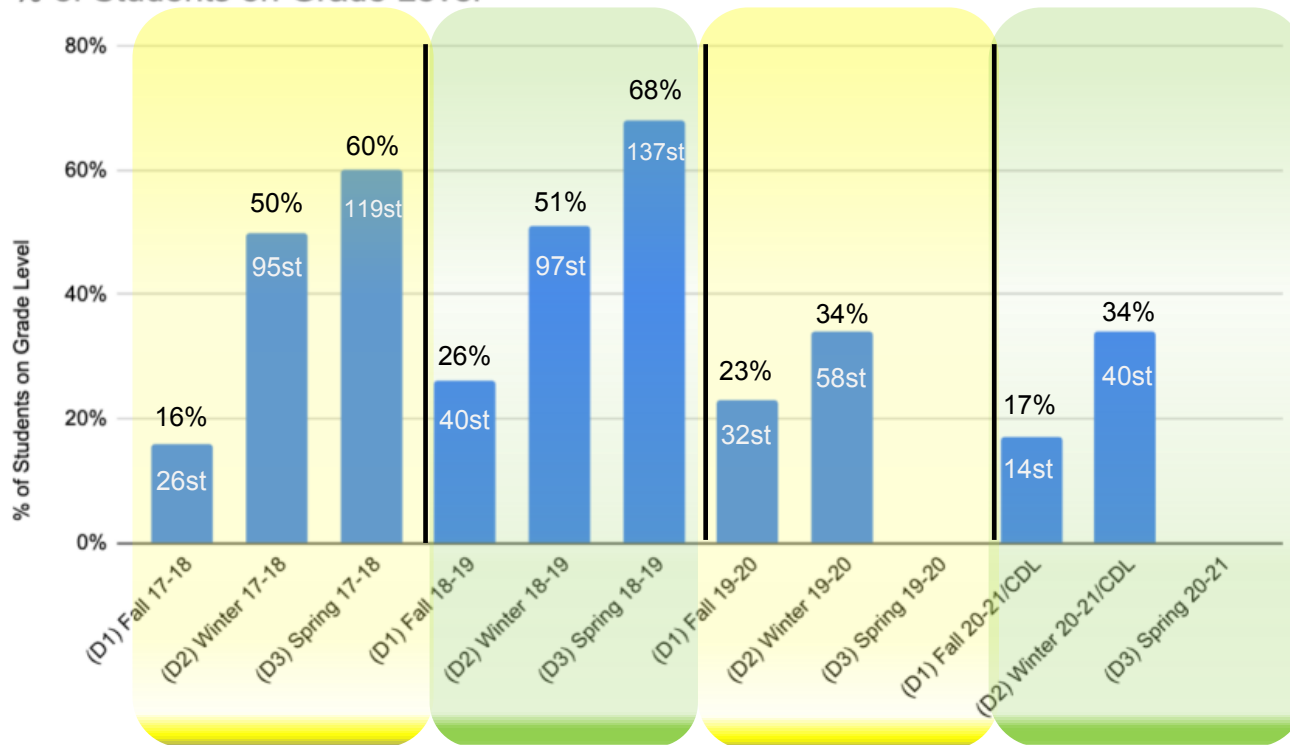
% of Students (2 years or more below Grade Level)



HOME OF THE WOLVES

Garibaldi
Grade
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Home of
The Wolves

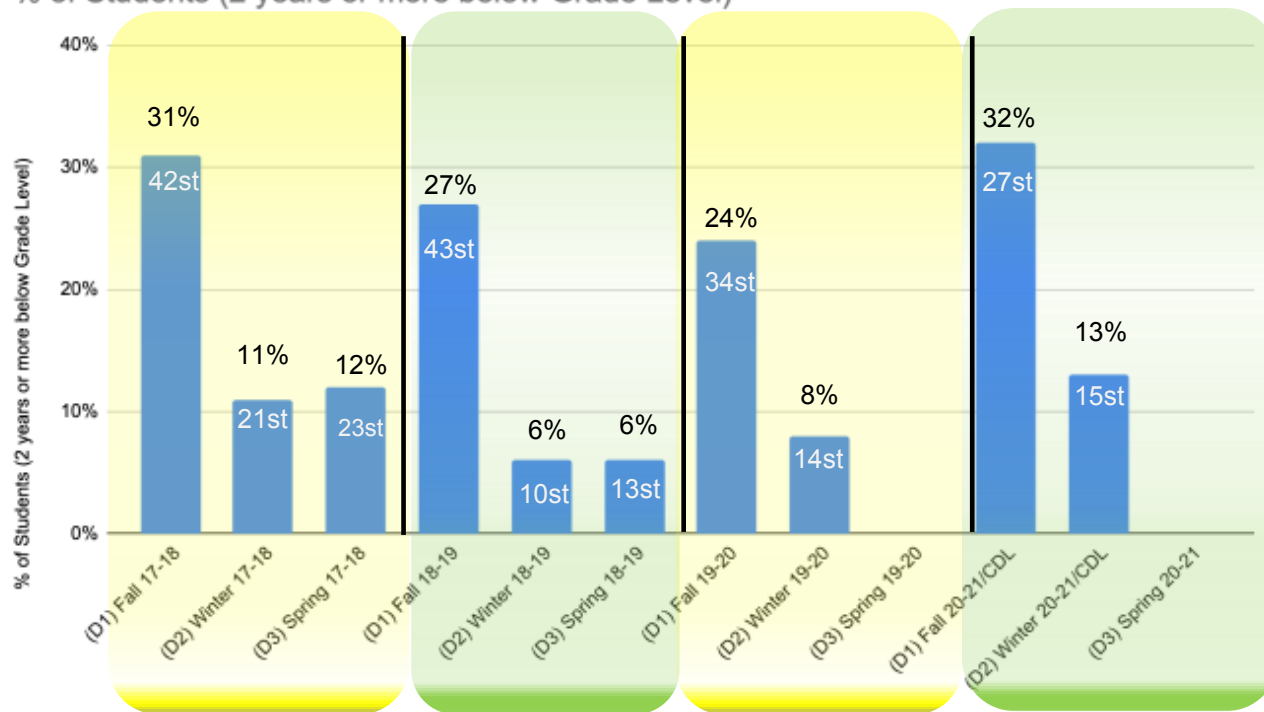
% of Students on Grade Level



HOME OF THE SEAGULLS

Nehalem
Elementary
School

% of Students (2 years or more below Grade Level)



HOME OF THE SEAGULLS

Nehalem
Elementary
School

Whole School K – 5 Data

Comparing: 2019-2020 D1 and D2 and 2020-2021 D1 and D2

The diagnostic data gives us
three levels of student proficiency:

- *On or Above Grade Level*
- *One Grade Level Below*
- *Two or More Grade Levels
Below*

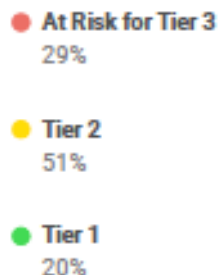
GGG (2019-2020) Beginning (D1) to Mid Year (D2)

Students Assessed/Total: 146/153

Overall Placement



No Kinder

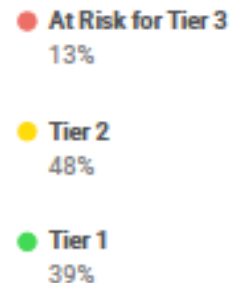


Students Assessed/Total: 149/153

Overall Placement



All K-5 Students



(+19%) is 29 to 58 GGS Students On Grade Level
(-16%) 42 to 19 GGS Students Far Below Grade Level

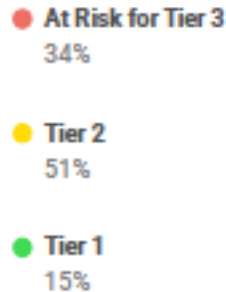
GGG (2020-2021) Beginning (D1) to Mid Year (D2)

Students Assessed/Total: 82/112

Overall Placement



No Kinder or 1st
Grade

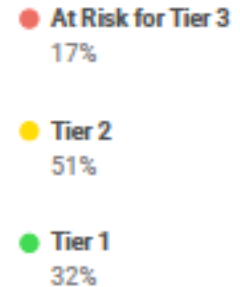


Students Assessed/Total: 111/112

Overall Placement



All K-5 Students

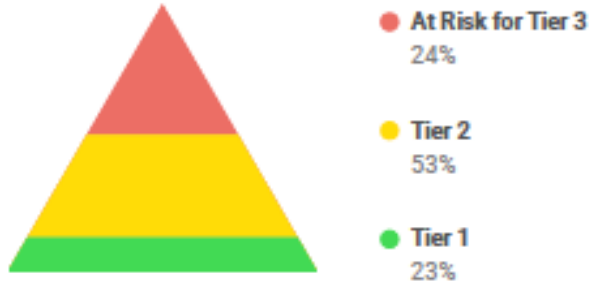


(+17%) is 12 to 33 GGS Students On Grade Level
(-17%) 28 to 14 GGS Students Far Below Grade Level

NES (2019-2020) Beginning (D1) to Mid Year (D2)

Students Assessed/Total: 141/178

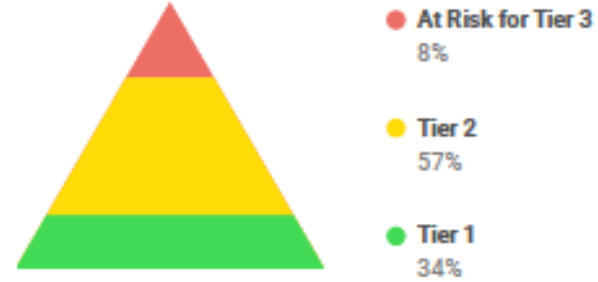
Overall Placement



No Kinder

Students Assessed/Total: 169/178

Overall Placement



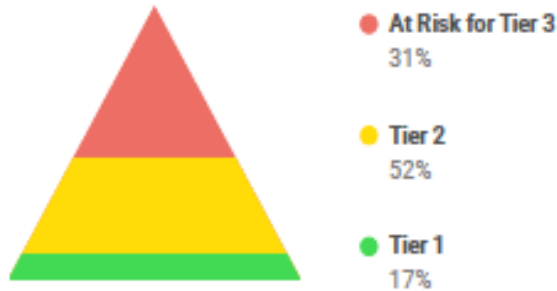
All K-5 Students

(+11%) is 32 to 58 NES Students On Grade Level
(-16%) 34 to 14 NES Students Far Below Grade Level

NES (2020-2021) Beginning (D1) to Mid Year (D2)

Students Assessed/Total: 84/129

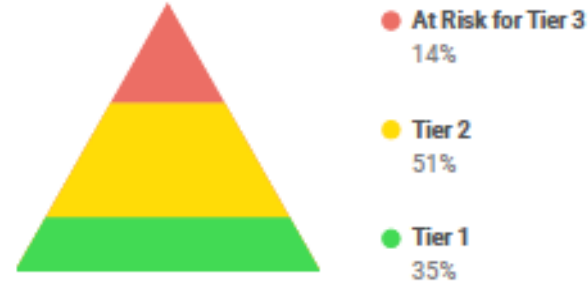
Overall Placement



No Kinder or 1st Grade

Students Assessed/Total: 128/129

Overall Placement



All K-5 Students

(+18%) is 14 to 40 NES Students On Grade Level
(-17%) 27 to 15 NES Students Far Below Grade Level

Grade Level Data by School

Comparing: 2019-2020 D1 and D2 and 2020-2021 D1 and D2

GGG Kindergarten – Current Data (Mid-Year D2)

D1: 2020-2021

Grade K

-

D2: 2020-2021

Grade K



NES Kindergarten – Current Data (Mid-Year D2)

D1: 2020-2021

Grade K

-

D2: 2020-2021

Grade K



GGs 1st Graders

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade K



D2: 2019-2020

Grade K



D1: 2020-2021

Grade 1

-

D2: 2020-2021

Grade 1



NES 1st Graders

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade K

-

D2: 2019-2020

Grade K

39%

61%

28/30

D1: 2020-2021

Grade 1

-

D2: 2020-2021

Grade 1

35%

53%

12%

17/20

GGs 2nd Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 1



11/11

D2: 2019-2020

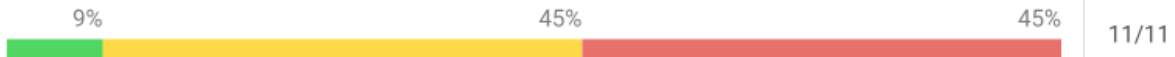
Grade 1



11/11

D1: 2020-2021

Grade 2



11/11

D2: 2020-2021

Grade 2



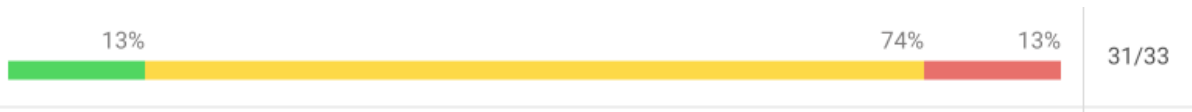
11/11

NES 2nd Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 1



D2: 2019-2020

Grade 1



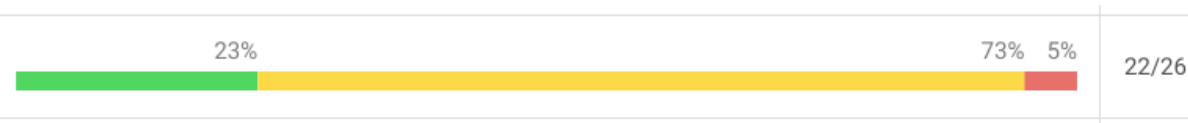
D1: 2020-2021

Grade 2



D2: 2020-2021

Grade 2



GGG 3rd Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 2



25/27

D2: 2019-2020

Grade 2



26/27

D1: 2020-2021

Grade 3



23/23

D2: 2020-2021

Grade 3



22/23

NES 3rd Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 2



21/23

D2: 2019-2020

Grade 2



22/23

D1: 2020-2021

Grade 3



18/20

D2: 2020-2021

Grade 3



19/20

GGG 4th Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 3



D2: 2019-2020

Grade 3



D1: 2020-2021

Grade 4



D2: 2020-2021

Grade 4



NES 4th Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 3



D2: 2019-2020

Grade 3



D1: 2020-2021

Grade 4



D2: 2020-2021

Grade 4

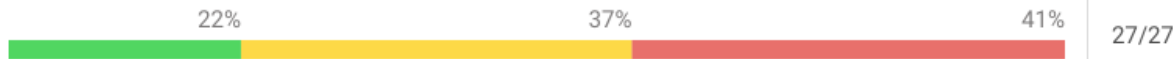


GG5 5th Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

D1: 2019-2020

Grade 4



D2: 2019-2020

Grade 4



D1: 2020-2021

Grade 5



D2: 2020-2021

Grade 5

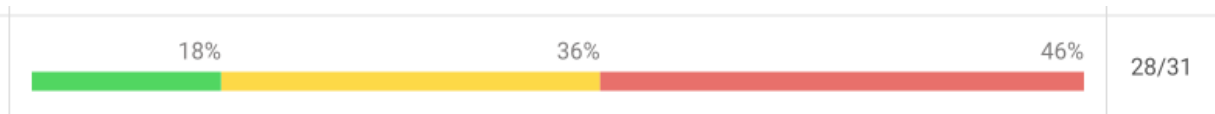


NES 5th Grade

Compares 2019-2020 and 2020-2021 Beginning to Mid Year

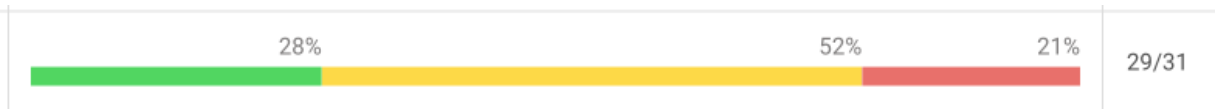
D1: 2019-2020

Grade 4



D2: 2019-2020

Grade 4



D1: 2020-2021

Grade 5



D2: 2020-2021

Grade 5



What does the data tell us? Where has math learning been impacted?

GGS - 70% of
Kindergartner
s are on
grade level.

NES 3rd Graders
are thriving in
math.

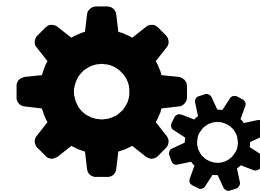
NES 4th Graders
are thriving in
math.

GGS 1st
Graders have
less students
working at
grade level
than expected.

NES 2nd Graders
have less
students working
at grade level than
expected.

NES 5th Graders
who are below
grade level are
struggling to get
caught up.

Addressing Unfinished Learning



**Foundational
Number Sense**

**Targeted Instruction
w/ Powerful
Instructional
Routines**

**Formative
Assessment that
Informs
Instruction**



Thank you, Spring Chang - Math
Consultant