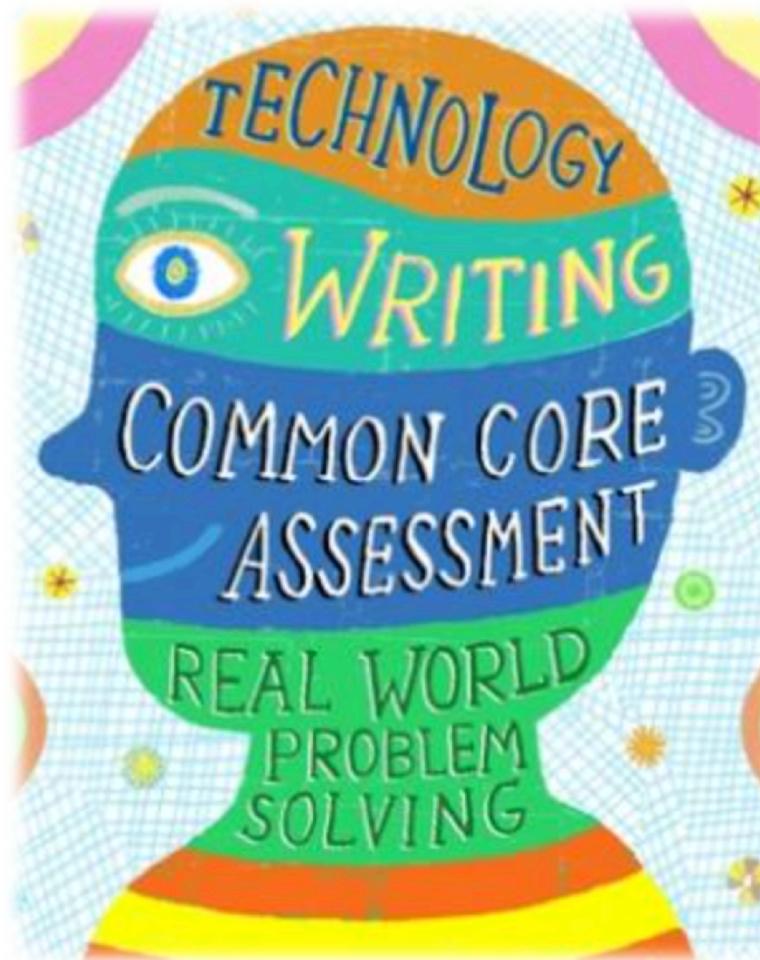


# Nimitz Math PLC Cycle

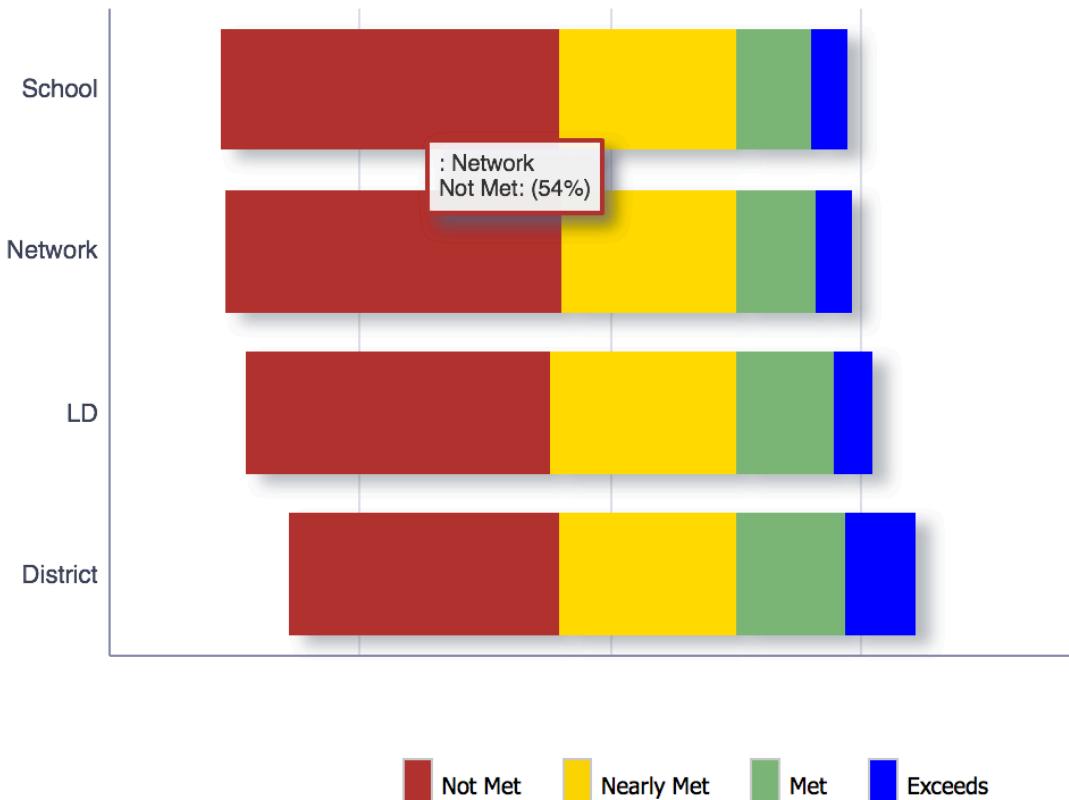
Tuesday, March 21, 2017



Last year we scored 18% Met/  
Exceeded.

Our goal this year is 26% Met/  
Exceeded.

**Mathematics**  
2015-2016



	% Not/Nearly Met Standard	% Standard Not Met	% Standard Nearly Met	% Standard Met	% Exceeds Standard	% Met/Exceeds Standard	# Tested
School : NIMITZ MS	82%	54%	28%	12%	6%	18%	1,788
Network : 310	81%	54%	28%	13%	6%	19%	7,920
LD : LD - EAST	78%	49%	30%	15%	6%	22%	47,499
District	71%	43%	28%	17%	11%	29%	268,718

# How will we get to our goal?

- Increased **student discourse**
- Increased exposure to **online** tools and platforms
- Increased exposure to **SBA-level problems**

# SBA Claim Levels

## **Claim 1 - Concepts & Procedures**

“Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency.”

(Targets broken down by grade level content clusters)

## **Claim 2 – Problem Solving**

“Students can solve a range of well posed problems in pure and applied mathematics, making productive use of knowledge and problem solving strategies.”

(Targets aligned with practice standards MP1, MP5, MP7, and MP8)

## **Claim 4 – Modeling & Data Analysis**

“Students can analyze complex, real world scenarios and can construct and use mathematical models to interpret and solve problems.”

(Targets aligned to practice standards MP2, MP4 & MP5)

## **Claim 3 – Communicating Reasoning**

“Students can clearly and precisely construct viable arguments to support their own reasoning and critique the reasoning of others.”

(Targets aligned to practice standards MP3 & MP6)

# SBAC Math Claims

**Claim #1 – Concepts & Procedures** 40% DOK 1, 2

“Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency.”

**Claim #2 – Problem Solving** 20% DOK 1, 2, 3

“Students can solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem solving strategies.”

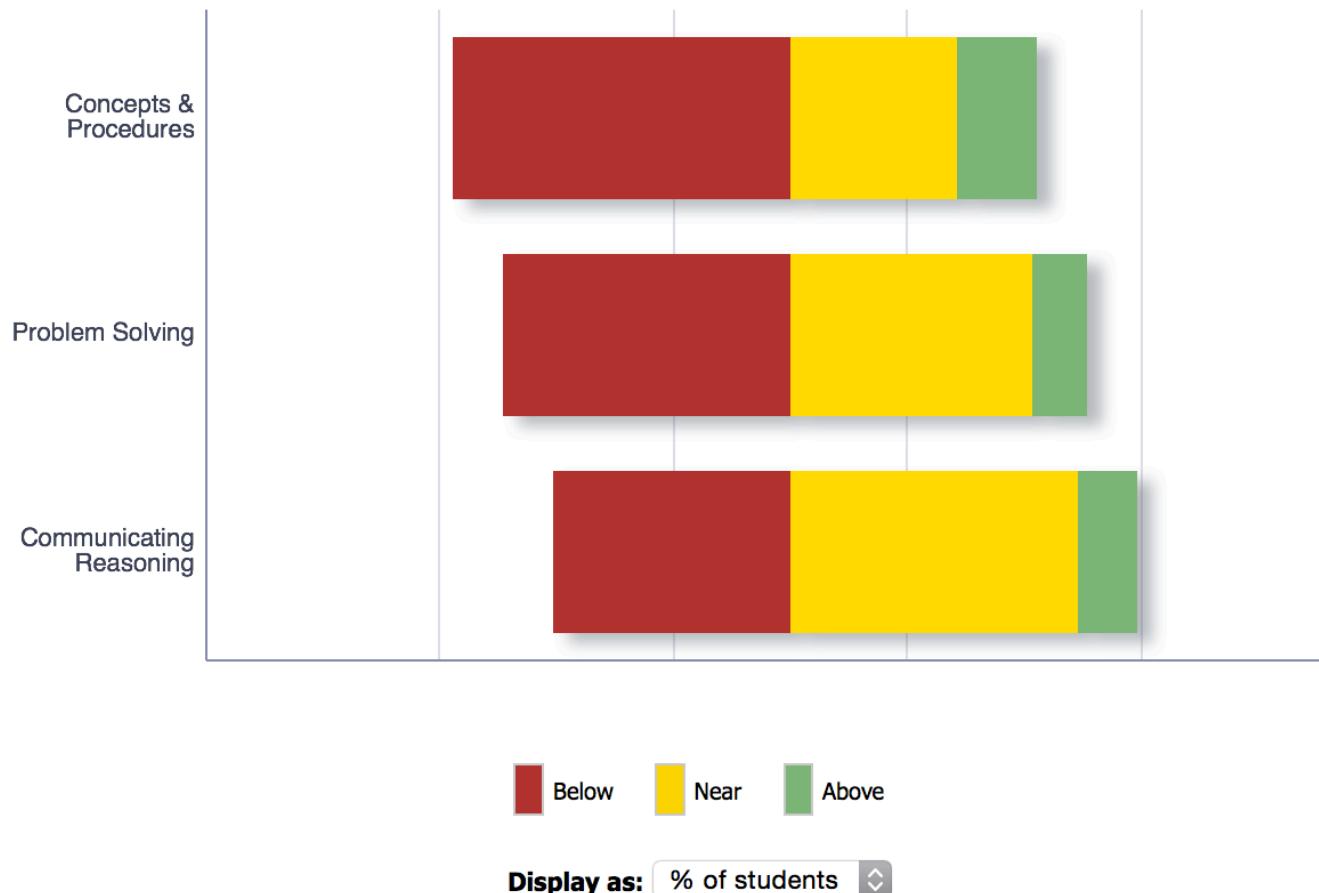
**Claim #3 – Communicating Reasoning** 20% DOK 2, 3, 4

“Students can clearly and precisely construct viable arguments to support their own reasoning and to critique the reasoning of others.”

**Claim #4 – Modeling and Data Analysis** 20% DOK 1, 2, 3, 4

“Students can analyze complex, real-world scenarios and can construct and use mathematical models to interpret and solve problems.”

# SBA Mathematics By Claim Level



CLAIM	Below Standard	Near Standard	Above Standard	# Tested
Concepts & Procedures	58%	28%	14%	92,798
Problem Solving	49%	41%	10%	92,798
Communicating Reasoning	41%	49%	10%	92,798

# PLC (Plan & Deliver) Commitments

- Use SBA problems as warm-ups  
**every day** in your class
- Integrate **student discourse**  
(Kagan structures!!! ☺ ☺ ☺)
- Participate in **Observation Cycle**  
in the next 2 weeks