

# **MCAS 2021**

# **Chatham Elementary School**

MSRD School Committee Presentation  
October 7, 2021

# Chatham Elementary School

2021 was the first year of MCAS testing for both the 3rd and 4th grade class. Overall results for the school may be impacted by the enrollment numbers for the 2021 test and that testing was shortened to one session in each subject.

- 68 Student Tests Reported for 2021
  - 30 Grade Three
  - 38 Grade Four
- Significantly decreased number of students from years past
  - 2019 - 96 students
  - 2018 -101 students
  - 2017 - 109 students
- Grade 3 made significant gains from 2019 scores in both ELA & Math
- Grade 4 also made gains from 2019 scores in both ELA & Math





# ELA Results

# CES Grade 3 English Language Arts: Meeting & Exceeding Over Time

	Chatham	State	Difference
2021 ELA	70%	50%	+20%
2019 ELA	45%	56%	-11%
2018 ELA	63%	52%	+11%
2017 ELA	57%	47%	+10%

# CES Grade 4 English Language Arts: Meeting & Exceeding Over Time

	Chatham	State	Difference
2021 ELA	53%	49%	+4%
2019 ELA	48%	52%	-4%
2018 ELA	68%	53%	+15%
2017 ELA	53%	48%	+5%


# ELA Highlights

## Areas of Strength

1. Using text clues to determine the meaning of a word (3 & 4)
2. Identifying punctuation and its uses (3 & 4)
3. Selecting specific details to identify cause-effect relationships (3 & 4)
4. Identifying figurative language (3 & 4)
5. Identifying the main idea of a text (3rd)

## Areas to Grow

1. Essay writing - particularly idea development (3 & 4)
2. Narrative writing - extending a story by writing about what might come next (3 & 4)
3. Comparing two different texts to find commonalities (4th)
4. Identifying character motivation in a poem (3rd)



# Mathematics Results

# CES Grade 3 Mathematics: Meeting & Exceeding Over Time

	Chatham	State	Difference
2021 Math	<b>53%</b>	<b>33%</b>	<b>+20%</b>
2019 Math	48%	49%	<b>-1%</b>
2018 Math	26%	50%	<b>-24%</b>
2017 Math	51%	49%	<b>+2%</b>



# CES Grade 4 Mathematics: Meeting & Exceeding Over Time

	Chatham	State	Difference
2021 Math	<b>45%</b>	<b>33%</b>	<b>+12%</b>
2019 Math	41%	49%	-8%
2018 Math	36%	48%	-12%
2017 Math	39%	49%	-10%

# Mathematics Highlights

## Areas of Strength

1. Comparing fractions and decimals in number sentences ~ Gr. 4
2. Finding equivalent multiplication & division equations ~ Gr. 3
3. Addition with regrouping ~ Gr. 3
4. Rounding ~ Gr. 3 & 4

## Areas to Grow

1. Explaining mathematical thinking [ex. relationship between digits in multi-digit number] Gr. 3 & 4
2. Solving multi-step word problems ~ Gr. 3 & 4
3. Graphing fractions on a number line ~ Gr. 3
4. Determining patterns and rules ~ Gr. 4

# Next Steps:

## Item Analysis

Utilize data team to drill down on question type and student performance

## Trends

Identify trends over time in relation to subtopics

## Compare

Compare MCAS test strengths and weaknesses with MAP scores

## Curriculum Review

Review scope and sequence and materials for topics of concern on testing

## Build Intervention Plans

Work with interventionists to support students and classes

## Authentic Practice

Practice multi-step word problems, explaining mathematical thinking, and writing skills consistently throughout the school year