

# **2019 MCAS Results and Accountability Data**

## Belmont Public Schools

Presentation to School Committee  
October 15, 2019

# Accountability Categories

Schools not requiring assistance or intervention  
(approximately 85%)

Schools requiring assistance or  
intervention (approximately 15%)

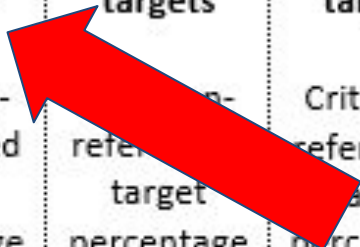
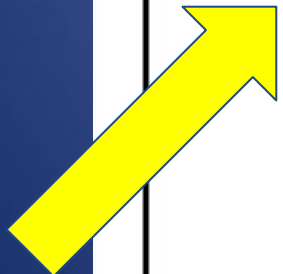
Schools of recognition	Meeting or exceeding targets	Substantial progress toward targets	Moderate progress toward targets	Limited or no progress toward targets	Focused/targeted support	Broad/comprehensive support
Recognized for high achievement, high growth, or exceeding targets	Criterion-referenced target percentage 75-100	Criterion-referenced target percentage 50-74	Criterion-referenced target percentage 25-49	Criterion-referenced target percentage 0-24	<ul style="list-style-type: none"> <li>• Percentiles 1-10 (not already identified for broad/comprehensive support)</li> <li>• Low graduation rate</li> <li>• Low performing subgroup(s)</li> <li>• Low participation</li> </ul>	<ul style="list-style-type: none"> <li>• Underperforming schools</li> <li>• Chronically underperforming schools</li> </ul>

# 2019 Accountability Determination for Belmont

All Belmont schools and the district are classified as **not requiring assistance or intervention**, and all are **meeting or exceeding targets**.

# Accountability Categories

Schools not requiring assistance or intervention (approximately 85%)					Schools requiring assistance or intervention (approximately 15%)	
<b>Schools of recognition</b>	<b>Meeting or exceeding targets</b>	<b>Substantial progress toward targets</b>	<b>Moderate progress toward targets</b>	<b>Limited or no progress toward targets</b>	<b>Focused/targeted support</b>	<b>Broad/comprehensive support</b>
Recognized for high achievement, high growth, or exceeding targets	Criterion-referenced target percentage 75-100	Criterion-referenced target percentage 50-74	Criterion-referenced target percentage 25-49	Criterion-referenced target percentage 0-24	<ul style="list-style-type: none"> <li>Percentiles 1-10 (not already identified for broad/comprehensive support)</li> <li>Low graduation rate</li> <li>Low performing subgroup(s)</li> <li>Low participation</li> </ul>	<ul style="list-style-type: none"> <li>Underperforming schools</li> <li>Chronically underperforming schools</li> </ul>



# 2019 Schools of Recognition

## Butler Elementary School

High Achievement - High Growth - Exceeding Targets

*For the 2nd year in a row*

## Burbank Elementary School

High Achievement

# 2019 Accountability Data Summary [ESE]

- Overall accountability classification for schools (N = 1,846)
  - **76% designated as “Not requiring assistance or intervention”**
  - 12% designated as “Requiring assistance or intervention”
  - 12% designated as “Insufficient Data”
- Overall accountability classification for districts (N = 406)
  - **92% designated as “Not requiring assistance or intervention”**
  - 6% designated as “Requiring assistance or intervention”
  - 2% designated as “Insufficient Data”

# 2019 Accountability Data Summary [ESE]

- Accountability categories for schools (N = 1,626)
  - 21% categorized as **“Meeting or exceeding targets”**
  - 44% categorized as “Substantial progress toward targets”
  - 20% categorized as “Moderate progress toward targets”
  - 1% categorized as “Limited or no progress toward targets”
  - 12% categorized as “In need of focused/targeted support”
  - 2% categorized as “In need of broad/comprehensive support”
- **67 schools received a “School of Recognition” label for high achievement, high growth, or exceeding targets**

# 2019 Accountability Data Summary [ESE]

- Accountability categories for districts (N = 397)
  - 16% categorized as **“Meeting or exceeding targets”**
  - 55% categorized as “Substantial progress toward targets”
  - 22% categorized as “Moderate progress toward targets”
  - 1% categorized as “Limited or no progress toward targets”
  - 5% categorized as “In need of focused/targeted support”
  - 2% categorized as “In need of broad/comprehensive support”

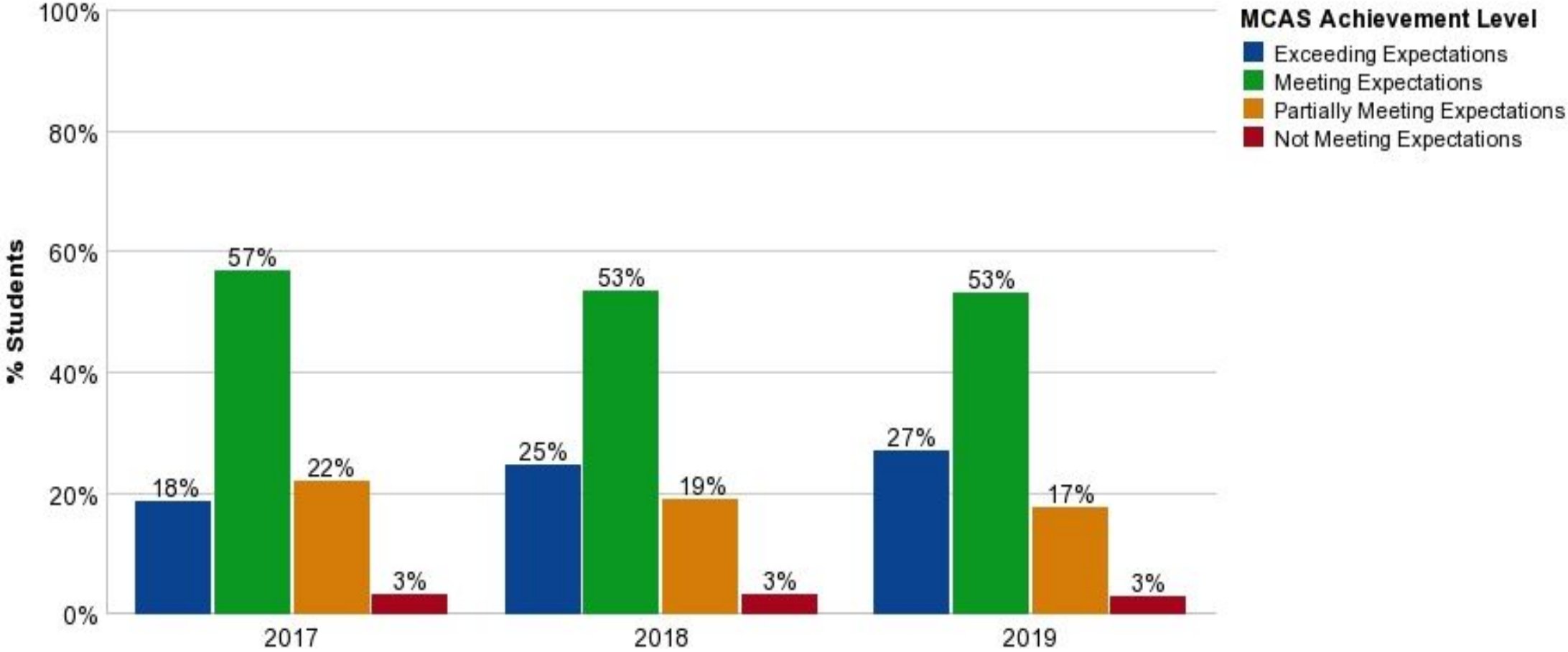


# Accountability Indicators

<b>Achievement</b>	MCAS scores in English language arts, math, and science
<b>Student Growth</b>	Student growth percentiles in English language arts and math
<b>High School Completion</b>	Four-year cohort graduation rate
	Extended engagement rate (five-year cohort graduation rate plus the percentage of students from the cohort who are still enrolled)
	Annual dropout rate
<b>Progress Towards English Proficiency</b>	Percentage of English learners meeting annual targets in order to reach English proficiency in six years
<b>Chronic Absenteeism</b>	Percentage of students missing 10 percent or more of the days they were enrolled at a given school during a school year
<b>Advanced Coursework Completion</b>	Percentage of 11 <sup>th</sup> and 12 <sup>th</sup> graders completing advanced coursework (Advanced Placement, International Baccalaureate, Project Lead the Way, dual enrollment courses, and other selected rigorous courses)

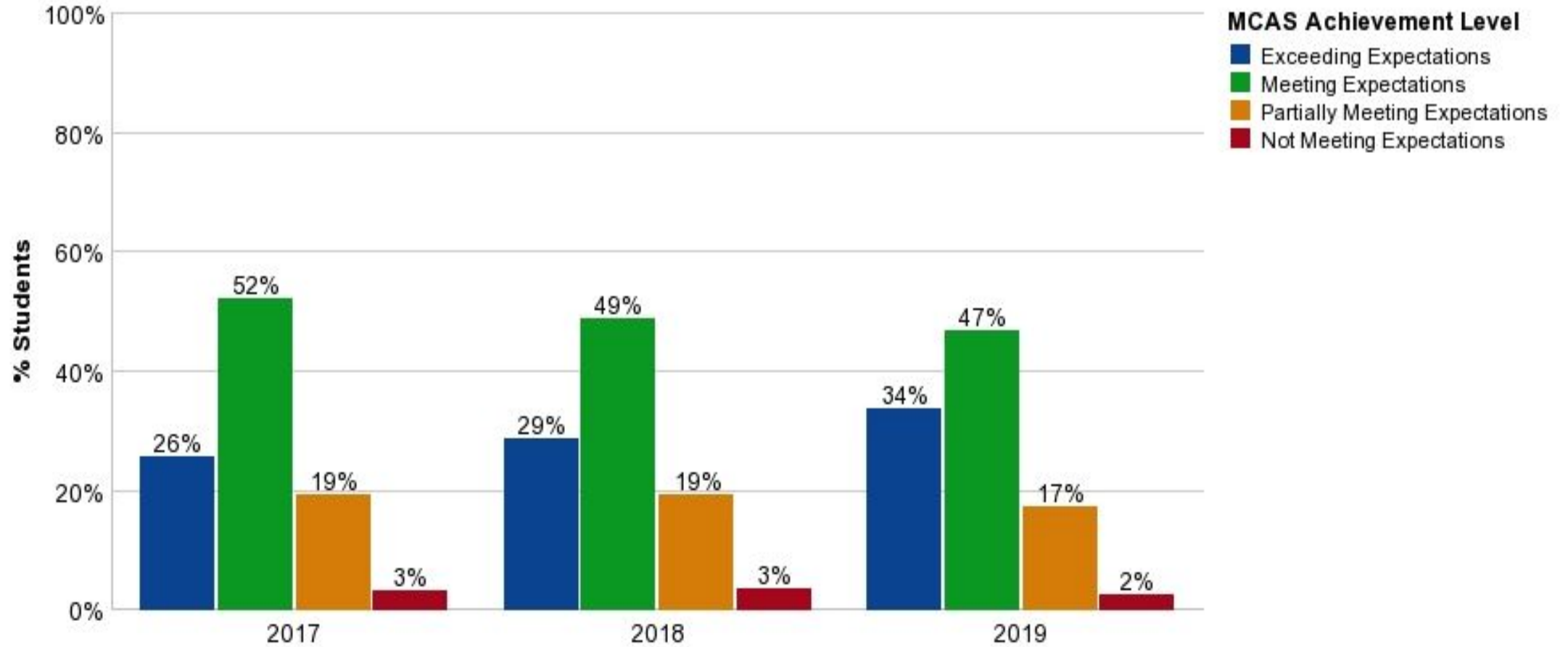
# English Language Arts - Grades 3-8

Student Group: All Students



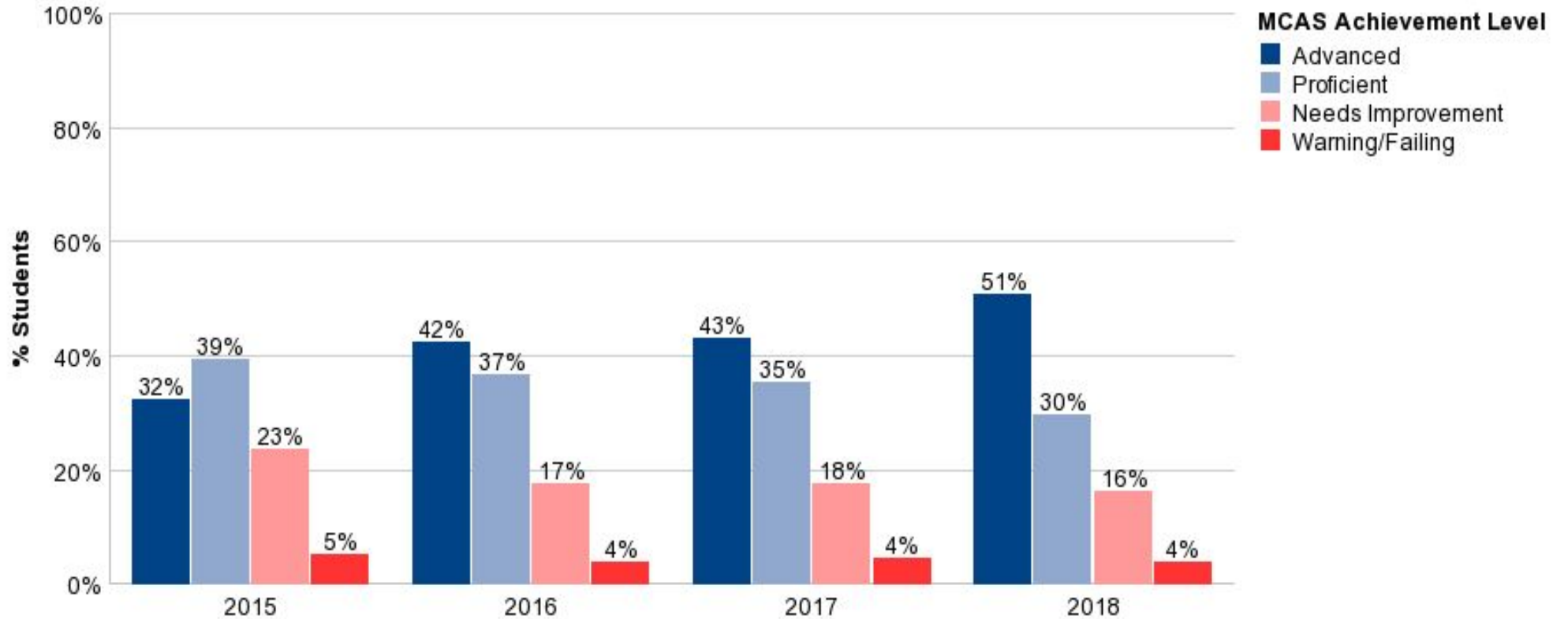
# Mathematics - Grades 3-8

Student Group: All Students



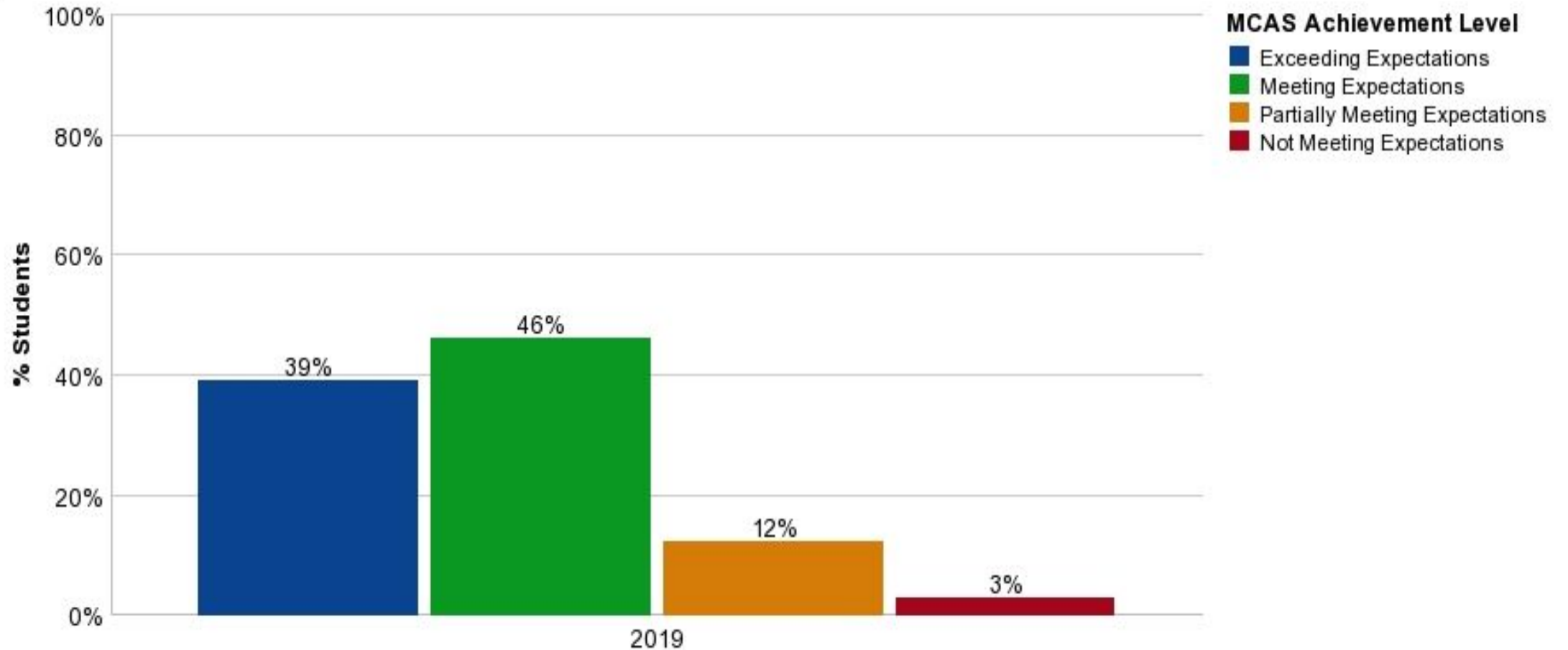
# Science - Grade 5 [Legacy MCAS]

Student Group: All Students

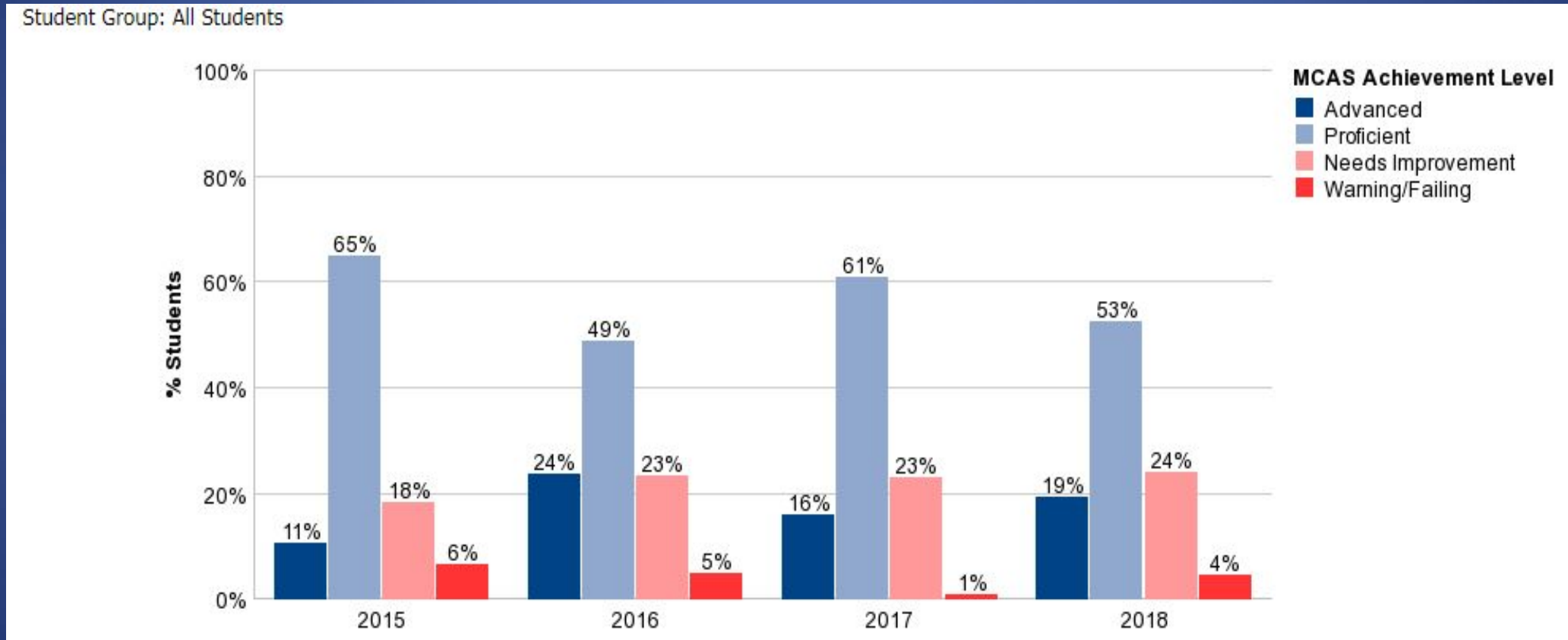


# Science - Grade 5 [Next Gen MCAS]

Student Group: All Students

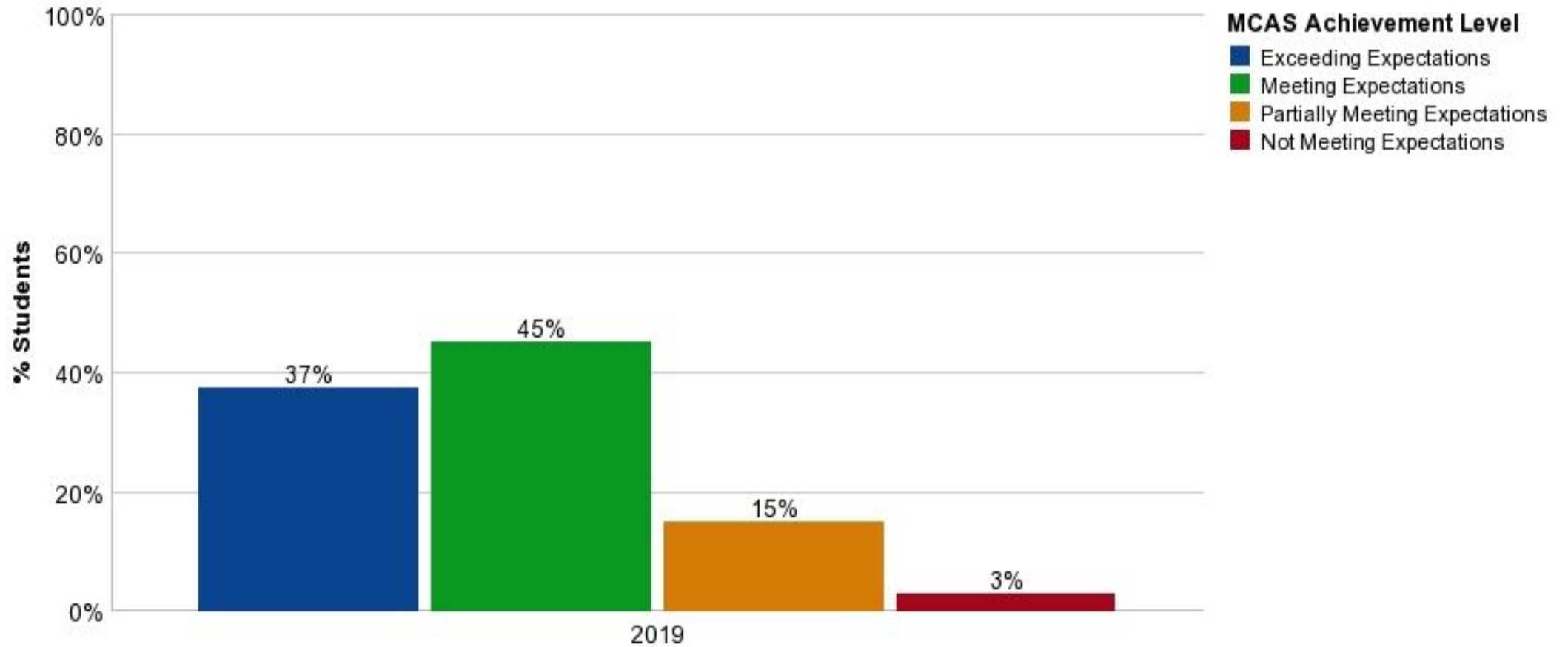


# Science - Grade 8 [Legacy MCAS]



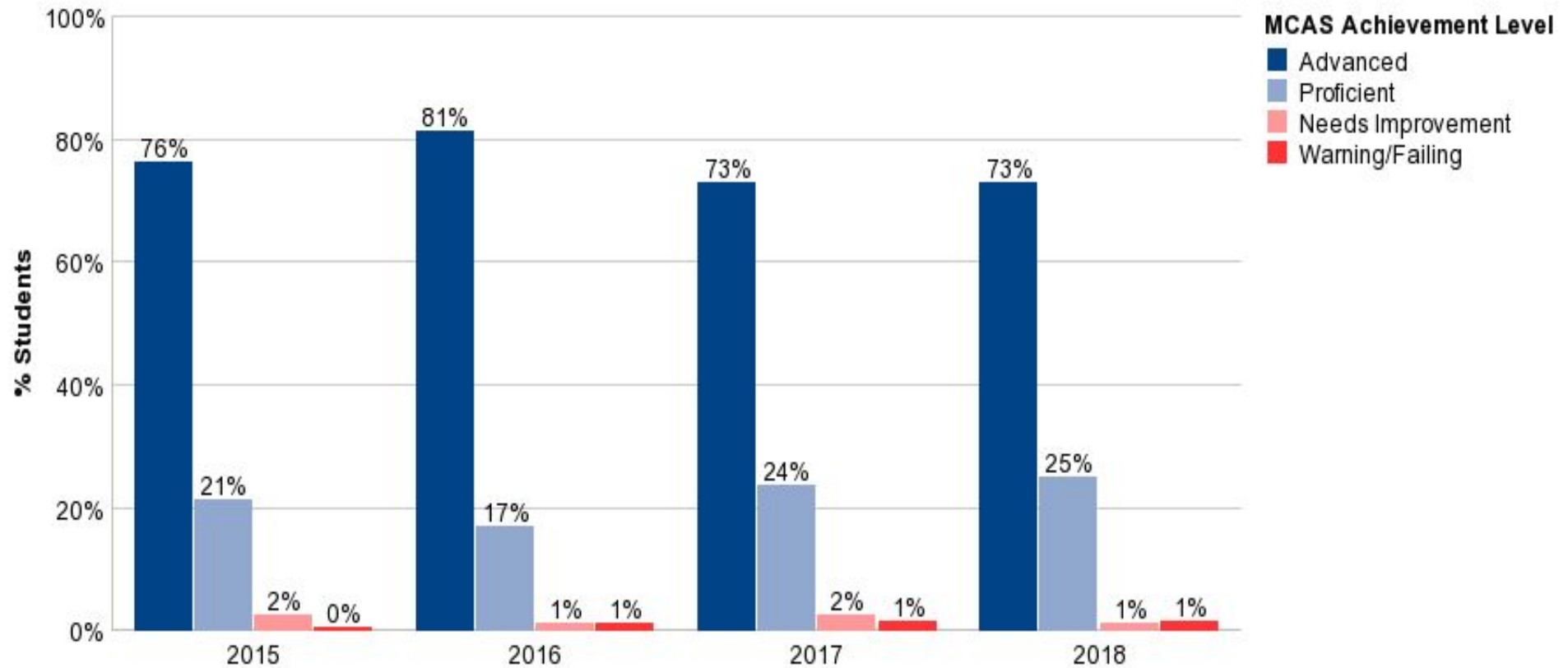
# Science - Grade 8 [Next Gen MCAS]

Student Group: All Students



# English Language Arts - Grade 10 [Legacy]

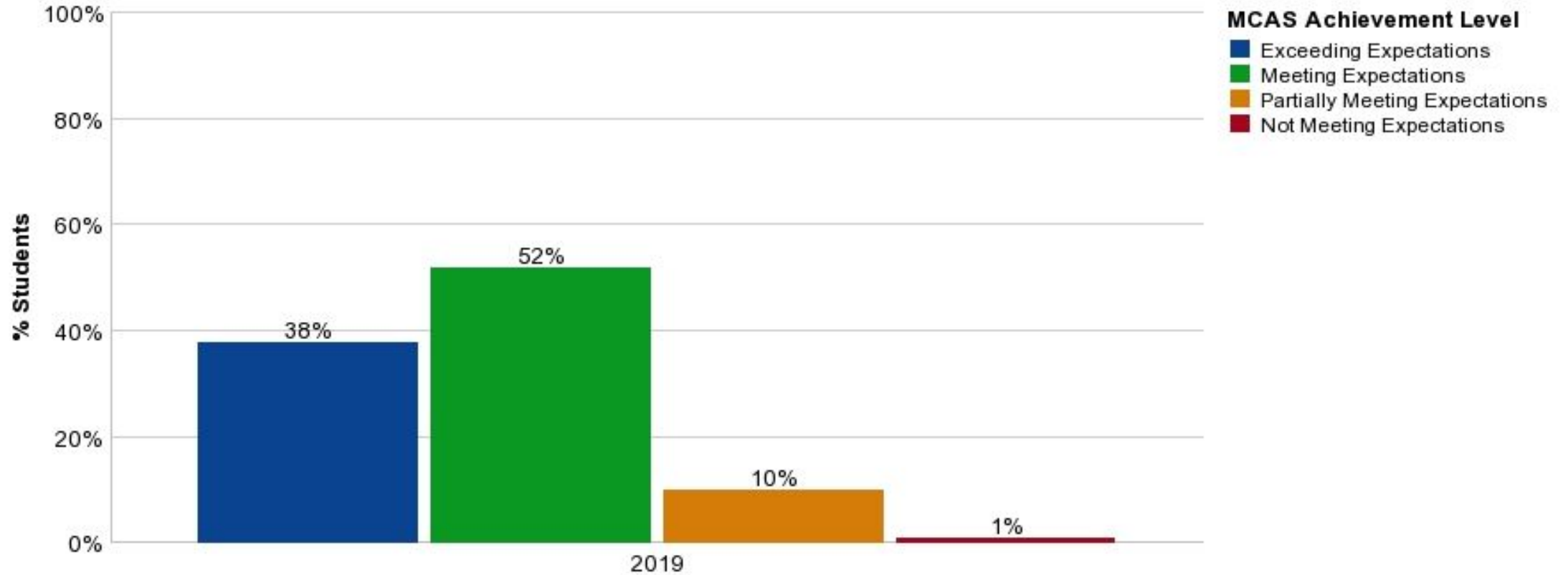
Student Group: All Students





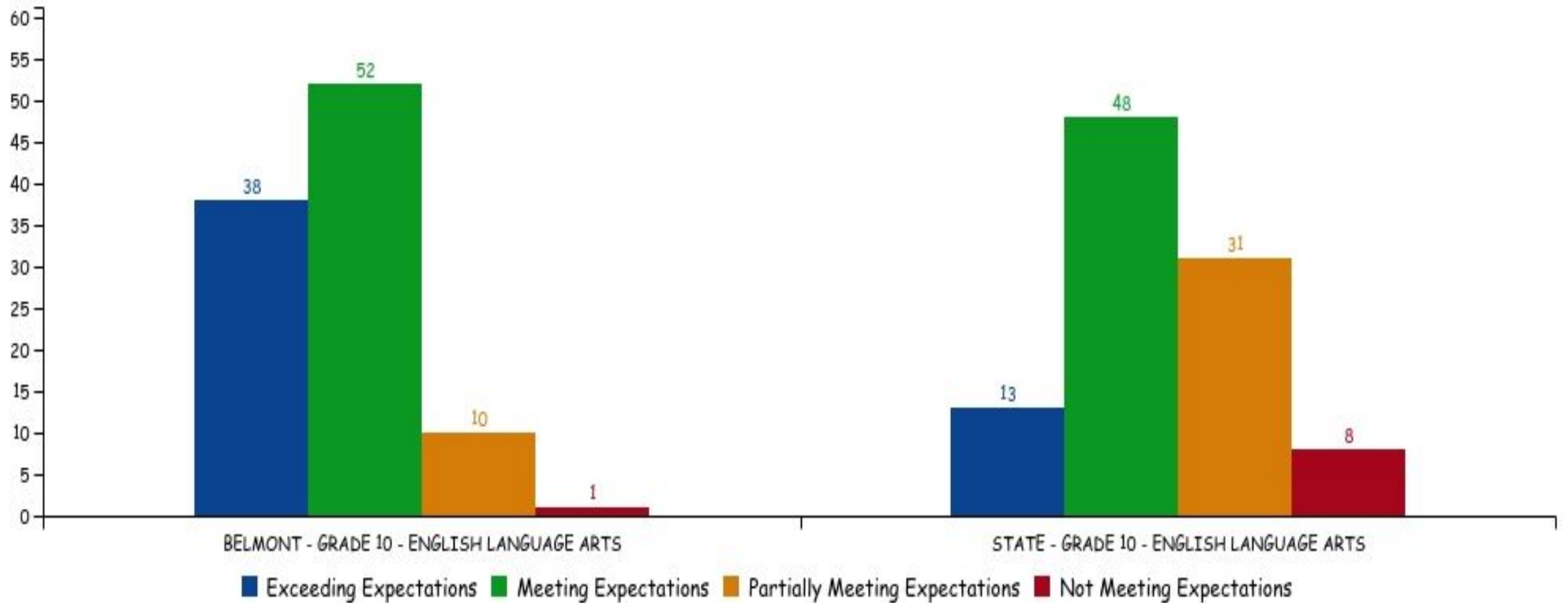
# English Language Arts - Grade 10 [Next Gen]

Student Group: All Students



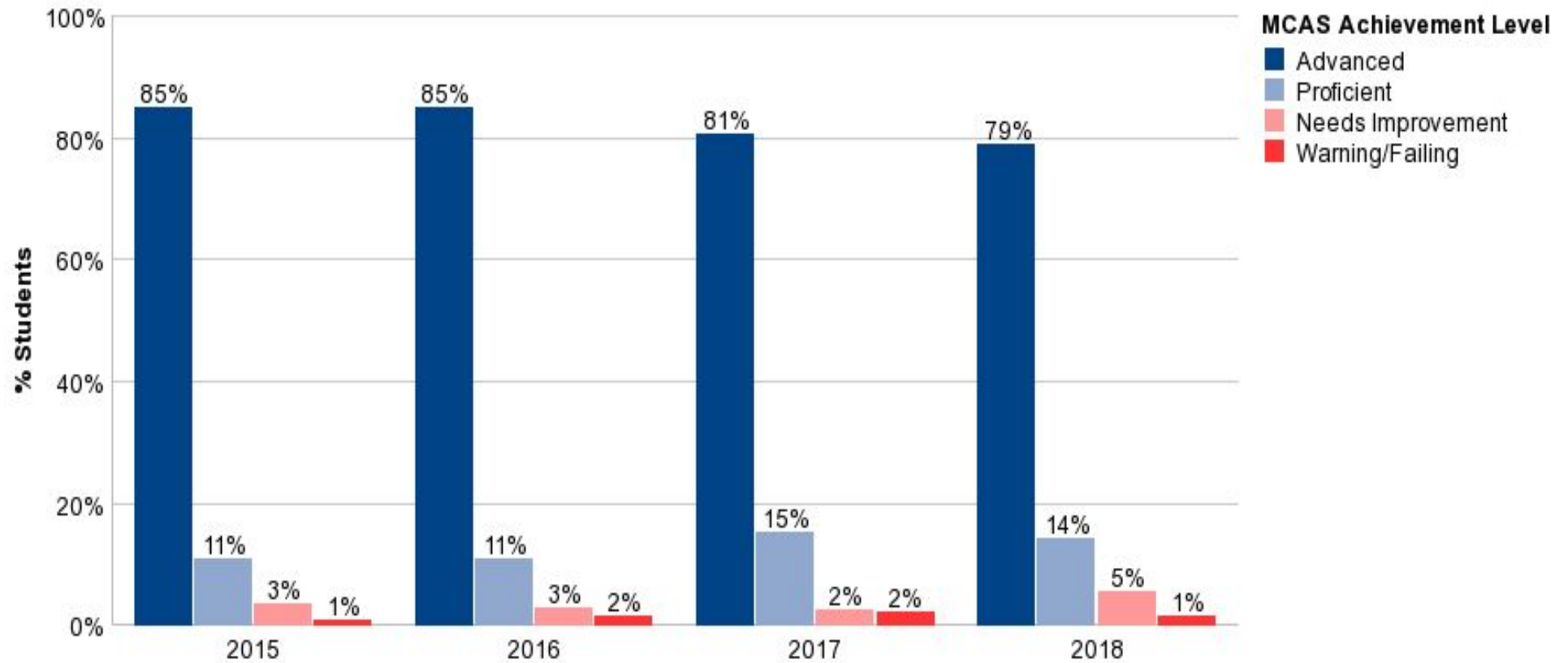
# English Language Arts - Grade 10

## Belmont and State Results



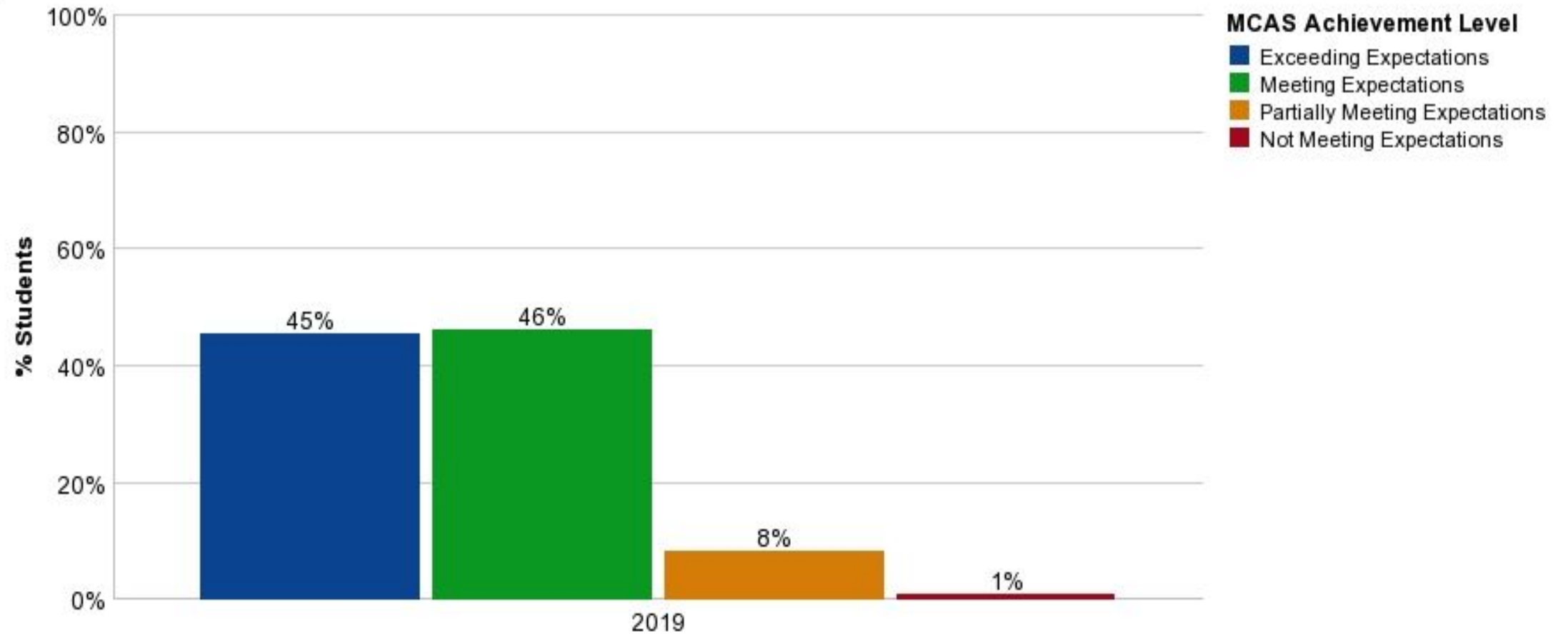
# Mathematics - Grade 10 [Legacy]

Student Group: All Students



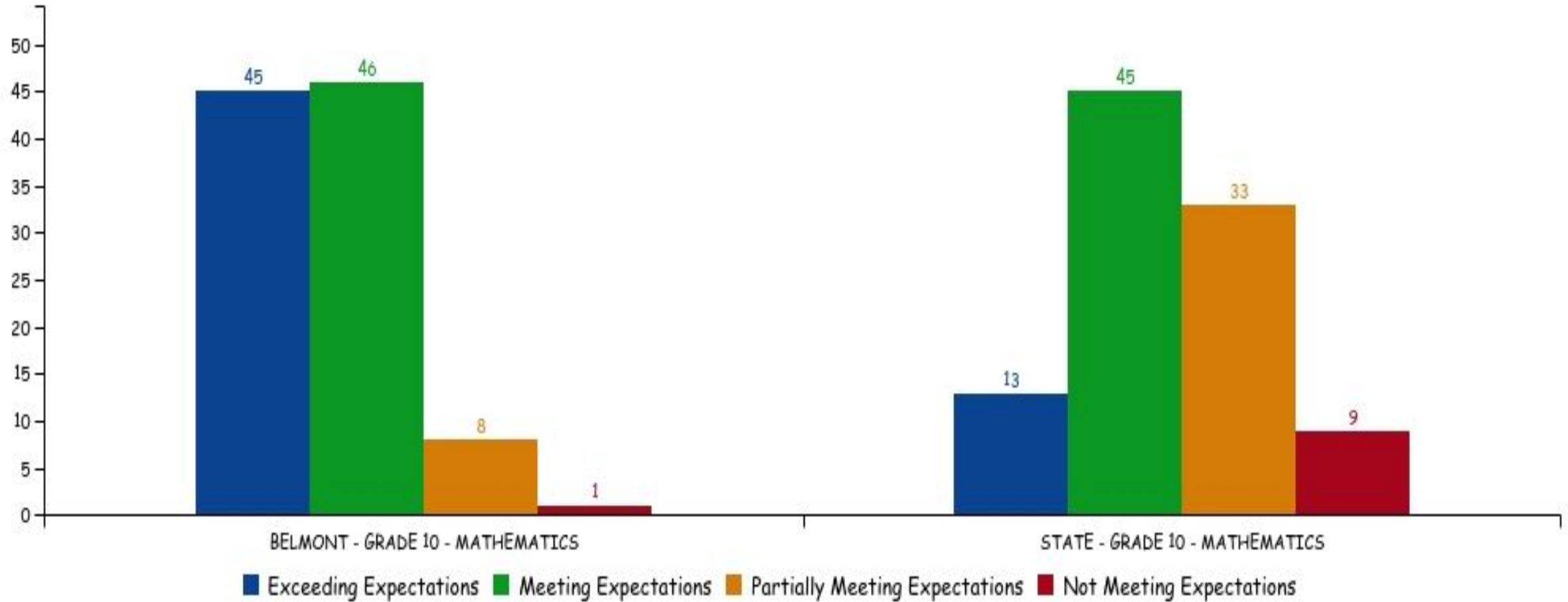
# Mathematics - Grade 10 [Next Gen]

Student Group: All Students



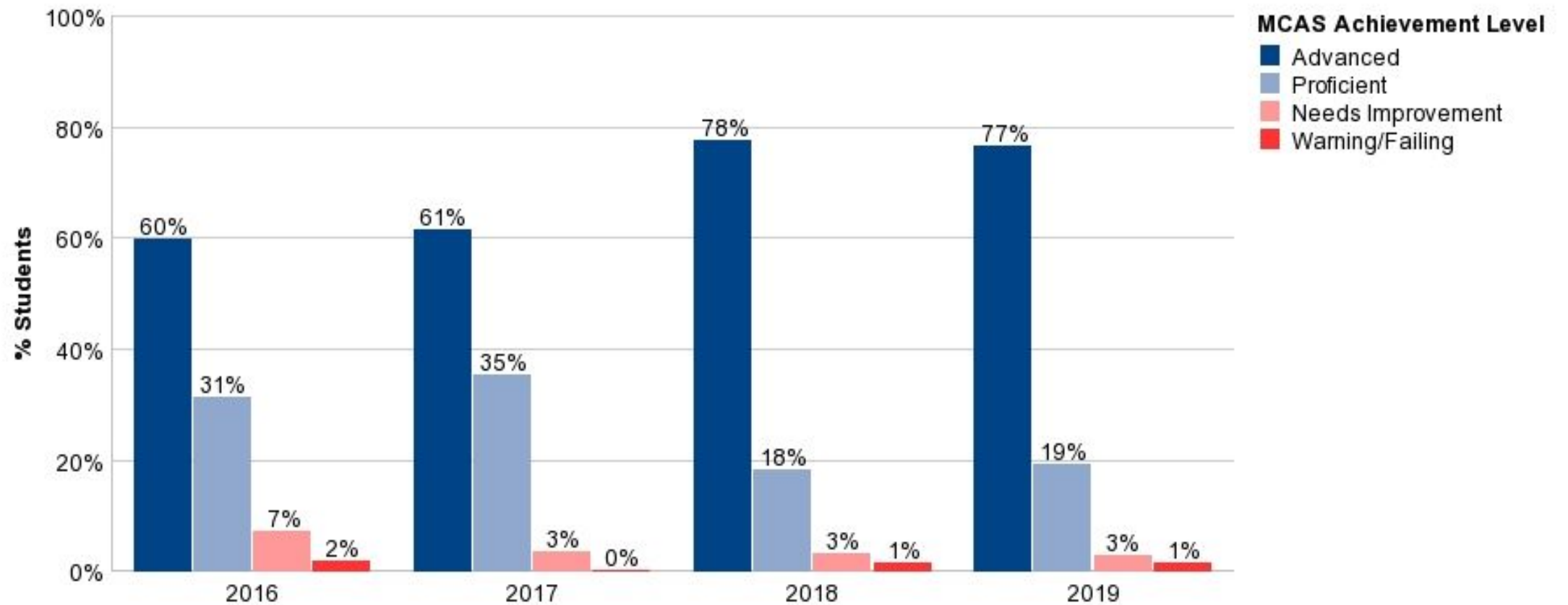
# Mathematics - Grade 10

## Belmont and State Results



# Physics - Grades 9-10 [Legacy]

Student Group: All Students



# Criterion-Referenced Component

- Improvement targets for each indicator
- All students and the lowest performing students
  - For grades 3-8, the lowest performing students are selected based on the previous year MCAS scores, and progress is measured by how well those same students performed this year (cohort model)
  - For high school, progress is measured by the improvement of the current year lowest performing students compared to the previous year lowest performing students (year to year model)

# Accountability Indicators

<b>Achievement</b>	MCAS scores in English language arts, math, and science
<b>Student Growth</b>	Student growth percentiles in English language arts and math
<b>High School Completion</b>	Four-year cohort graduation rate
	Extended engagement rate (five-year cohort graduation rate plus the percentage of students from the cohort who are still enrolled)
	Annual dropout rate
<b>Progress Towards English Proficiency</b>	Percentage of English learners meeting annual targets in order to reach English proficiency in six years
<b>Chronic Absenteeism</b>	Percentage of students missing 10 percent or more of the days they were enrolled at a given school during a school year
<b>Advanced Coursework Completion</b>	Percentage of 11 <sup>th</sup> and 12 <sup>th</sup> graders completing advanced coursework (Advanced Placement, International Baccalaureate, Project Lead the Way, dual enrollment courses, and other selected rigorous courses)



# Criterion-Referenced Component

Points are assigned based on how well each group met the target set for each indicator.

Points	Label for achievement, high school completion, EL progress, and additional indicators	Label for growth indicators
4	Exceeded target	Exceeded Typical Growth
3	Met target	Typical Growth – High
2	Improved	Typical Growth – Low <input type="button" value="v"/>
1	No change	Low Growth
0	Declined	Very Low Growth

# Cumulative Criterion-Referenced Percentage

- **Step 1:** Calculate the annual criterion-referenced target percentage for each year separately (2018 & 2019)
- **Step 2:** Calculate the cumulative criterion-referenced target percentage
  - Districts, schools, or groups with two annual criterion-referenced percentages (2018 & 2019) will use a 40/60 weighting in the calculation of the overall criterion-referenced target percentages
  - In districts, schools, or groups with no 2018 annual percentage, the cumulative criterion-referenced target percentage will be the 2019 percentage (100%)

# Cumulative Criterion-Referenced Percentage: District

	All Students, non-high school	Lowest Performing Students, non-high school	All Students, high school	Lowest Performing Students, high school
% of possible points	<b>95%</b>	<b>82%</b>	<b>92%</b>	<b>86%</b>
% of possible points by gradespan	<b>88%</b> <b>(Weight of grades 3-8 results: 69%)</b>		<b>89%</b> <b>(Weight of HS results: 31%)</b>	
2019 annual criterion-referenced target percentage	<b>88%</b>			
2018 annual criterion-referenced target percentage	<b>84%</b>			
Cumulative criterion--referenced target percentage	<b>87%</b> <b>(2018 x 40%) + (2019 x 60%)</b>			

# Cumulative Criterion-Referenced Percentage: Schools

	2018 Criterion-Referenced Target Percentage	2019 Criterion-Referenced Target Percentage	Cumulative Criterion-Referenced Target Percentage	Reason for classification
Burbank	86%	86%	86%	Meeting or exceeding targets
Butler	95%	97%	96%	Meeting or exceeding targets
Wellington	73%	79%	77%	Meeting or exceeding targets
Winn Brook	84%	79%	81%	Meeting or exceeding targets
Chenery MS	79%	87%	84%	Meeting or exceeding targets
Belmont HS	83%	87%	85%	Meeting or exceeding targets

# Normative Component: Accountability Percentile

- Compares the performance of students in a school to all other similar schools in the state
  - Non-high schools, serving grades 3-8
  - High schools, serving grades 9-12
- Compares each individual indicator, ranks them with all other comparable schools, and determines the school's accountability percentile
- Districts are not assigned an accountability percentile

# Accountability Percentile

<b>Burbank</b>	<b>97%</b>
<b>Butler</b>	<b>98%</b>
<b>Wellington</b>	<b>96%</b>
<b>Winn Brook</b>	<b>93%</b>
<b>Chenery MS</b>	<b>98%</b>
<b>Belmont HS</b>	<b>92%</b>

# Summary

- A high percentage of our students met or exceeded expectations on the Next Gen MCAS
- A high percentage of our students achieved proficient or advanced on the Legacy MCAS
- We are using the data to determine how to best support all students
  - lowest performing student group
  - subgroup data

# Thank You

To all Belmont administrators, curriculum leaders, teachers, and staff for their commitment to helping all students achieve high standards through

- continuous improvement of **instruction**,
- adoption of new **curricula**, and a
- focus on creating a **safe and supportive learning environment** of each student.