

# Achievement At A Glance:

A look at reading proficiency data from two Brooklyn middle schools

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# Our Two Schools:



**Achievement First**  
Bushwick Middle School

In Dataset

202 Students  
105 6th Graders  
97 5th graders



**Achievement First**  
Crown Heights Middle  
School

174 Students  
94 6th Graders  
80 5th graders

# Data Manipulation:

**Input:** csv describing F&P scores for 376 students

	Student ID	School Name	Grade Level	BOY F&P Score	EOY F&P Score
0	10000001	Bushwick Middle School	5	11.0	16.0
1	10000002	Bushwick Middle School	5	11.0	16.0
2	10000003	Crown Heights Middle School	5	11.0	16.0
3	10000004	Bushwick Middle School	5	11.0	16.0
4	10000005	Bushwick Middle School	5	11.0	14.0

376 x 5

**Output:** same data - post data prep, cleaning, and encoding

	Student ID	School Name	Grade Level	BOY F&P Score	EOY F&P Score	BOY Proficiency Level	EOY Proficiency Level	F&P Change	% F&P Change
0	10000001	Bushwick MS	5	11.0	16.0	below proficient	advanced	5.0	0.454545
1	10000002	Bushwick MS	5	11.0	16.0	below proficient	advanced	5.0	0.454545
2	10000003	Crown Heights MS	5	11.0	16.0	below proficient	advanced	5.0	0.454545
3	10000004	Bushwick MS	5	11.0	16.0	below proficient	advanced	5.0	0.454545
4	10000005	Bushwick MS	5	11.0	14.0	below proficient	proficient	3.0	0.272727

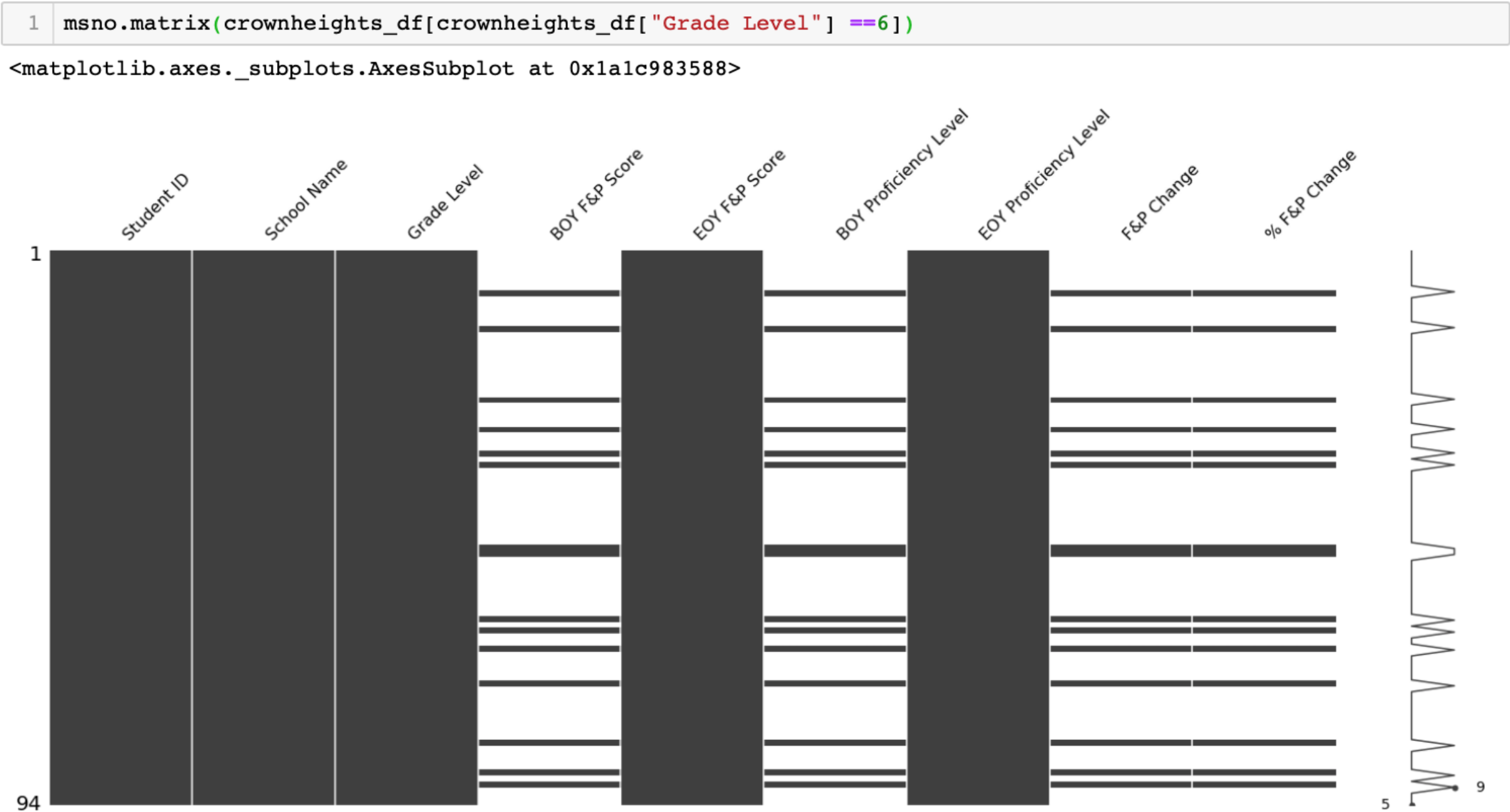
376 x 9

⚙ Processing



# Missing Data:

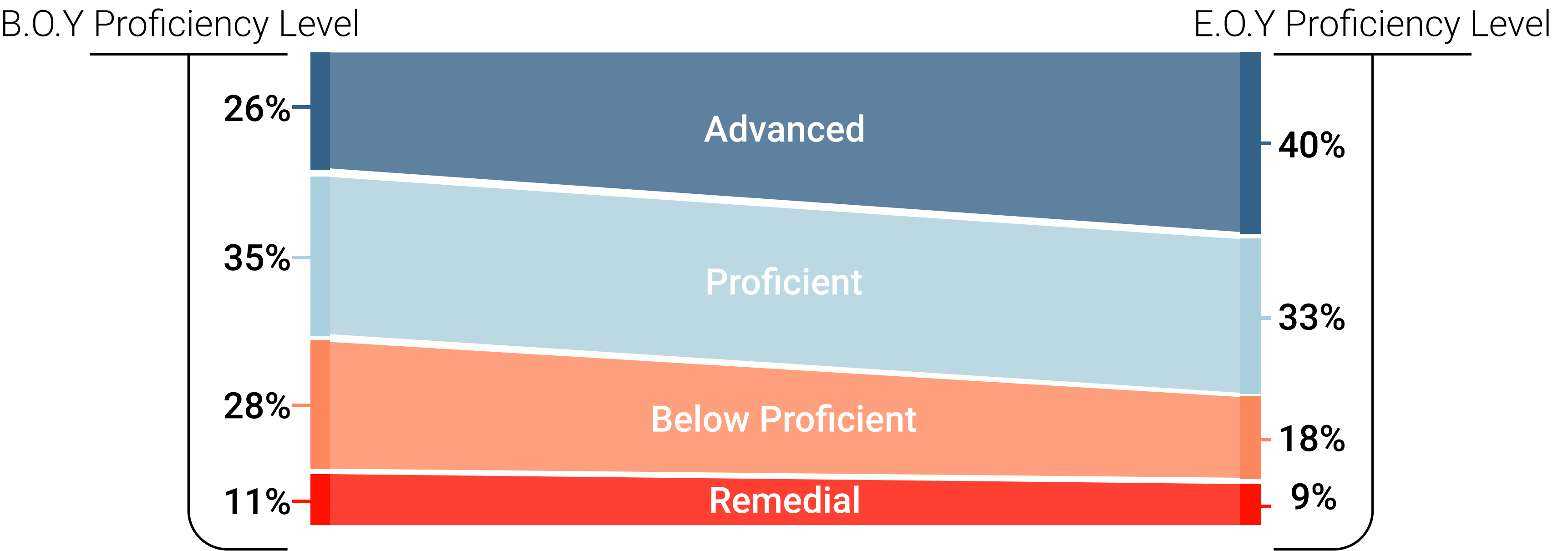
Nearly all data on 6th graders from Crown Heights MS is missing student's beginning of year F&P reading proficiency scores, making some analysis flawed.



# Overall Performance: Both Schools

How are schools bringing students from under-performance to excellence?

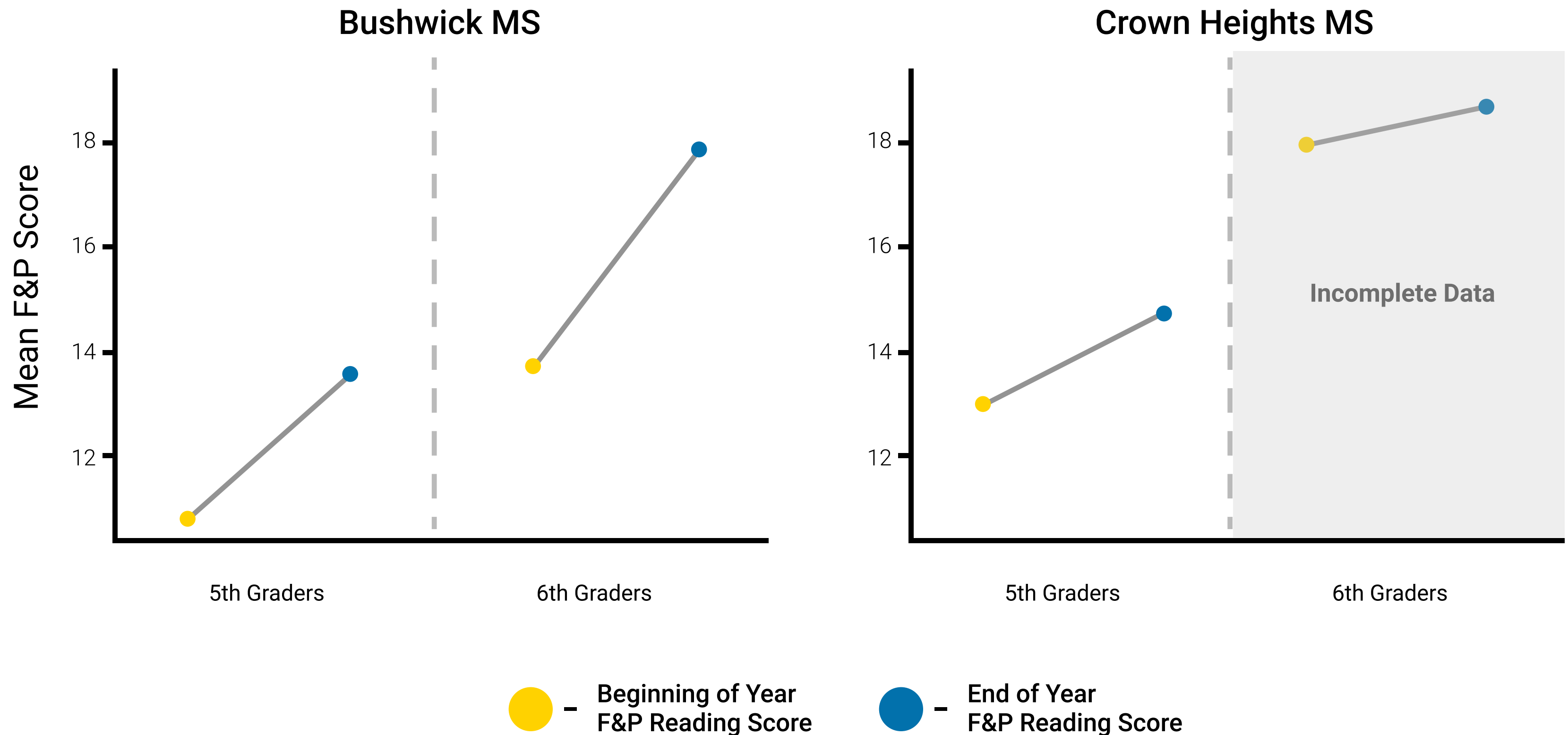
## Change in Student Reading Proficiency at Bushwick MS and Crown Heights MS



# Reading Growth By School and Grade:

Bushwick MS students see large growth in reading level over the school year

Crown Heights MS students begin & end school year with higher scores, but with less growth

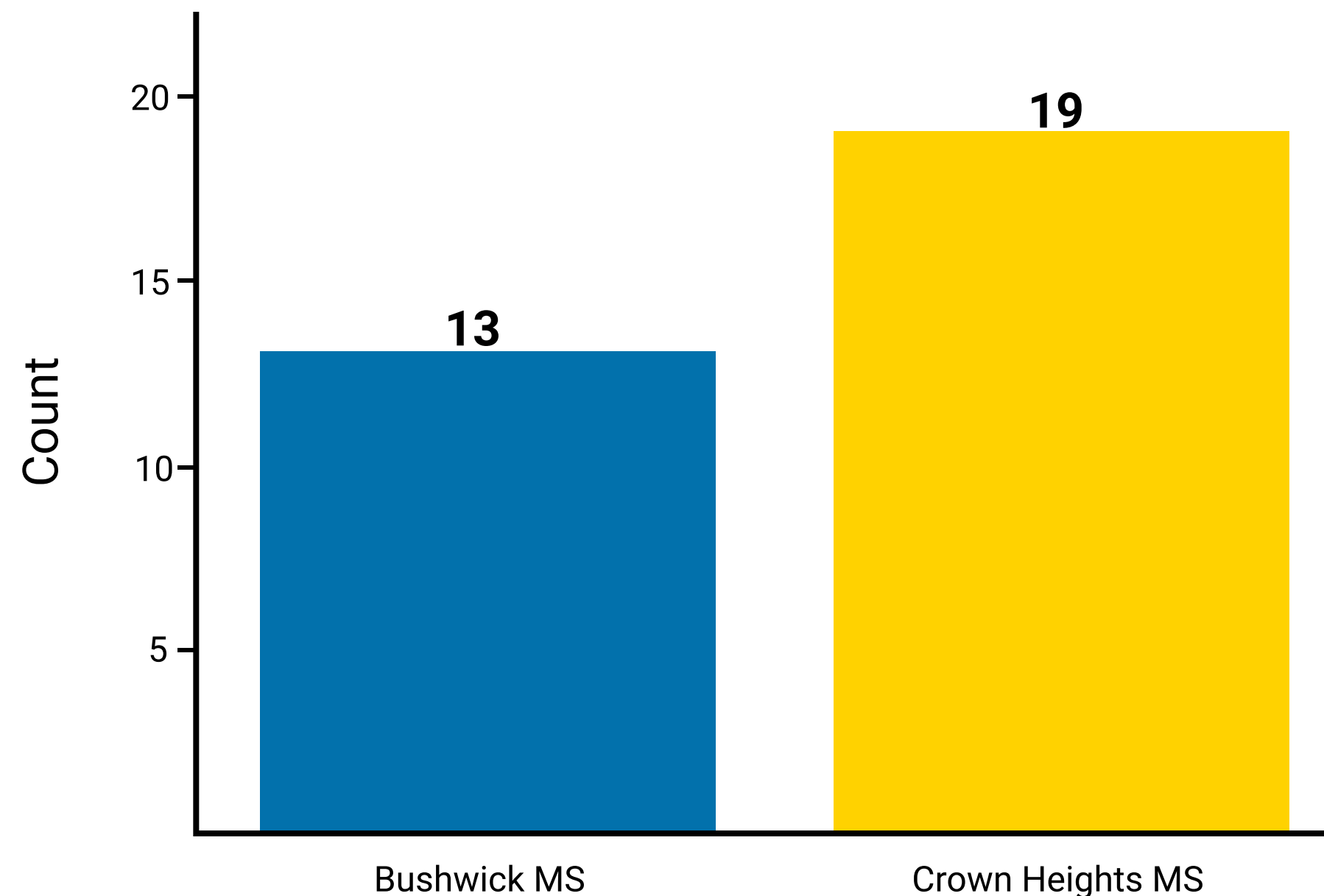


# Reading Decline:

Although most Achievement First students see reading gains, some students see their reading proficiency fall over a school year.

Despite having less students and a large amount of missing data, Crown Heights MS students make up nearly 60% of those who saw a drop in F&P score.

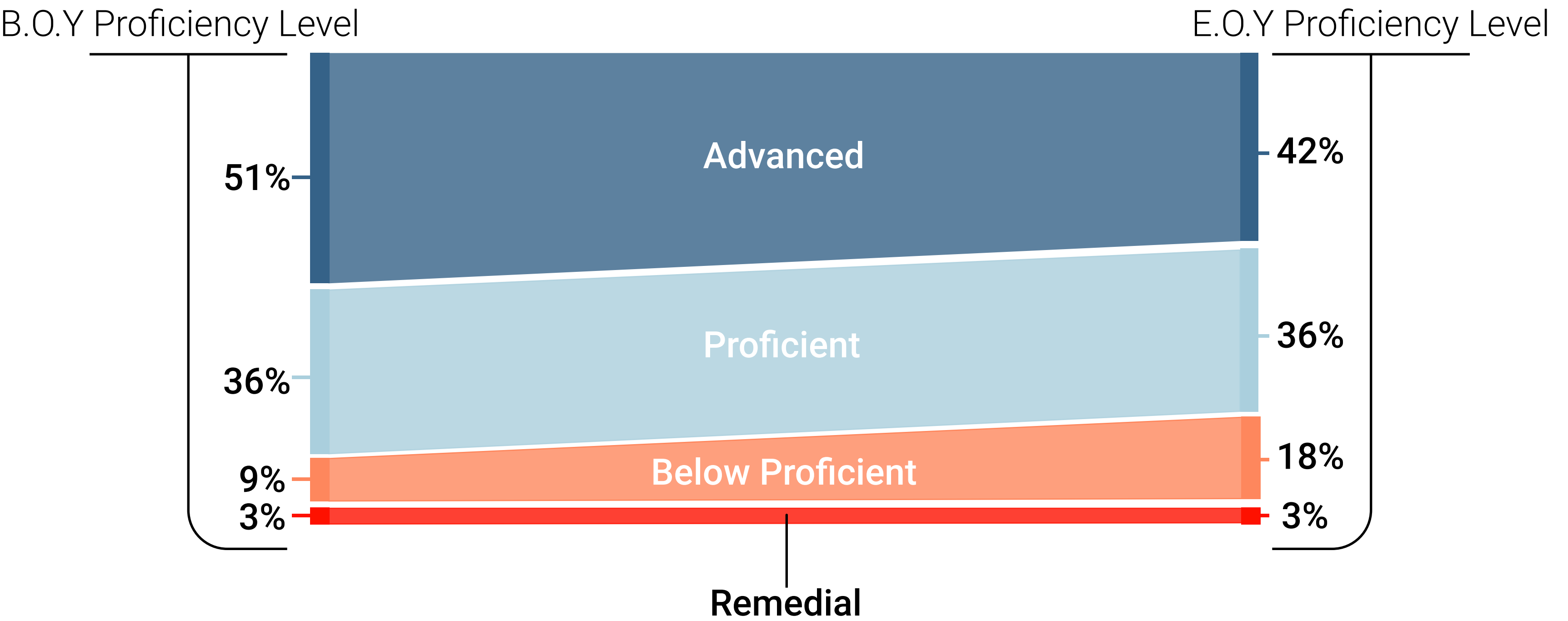
**Students With Decline in F&P Score From B.O.Y to E.O.Y**



# Overall Performance: Crown Heights MS

How are schools bringing students from under-performance to excellence?

Change in Student Reading Proficiency at Crown Heights MS

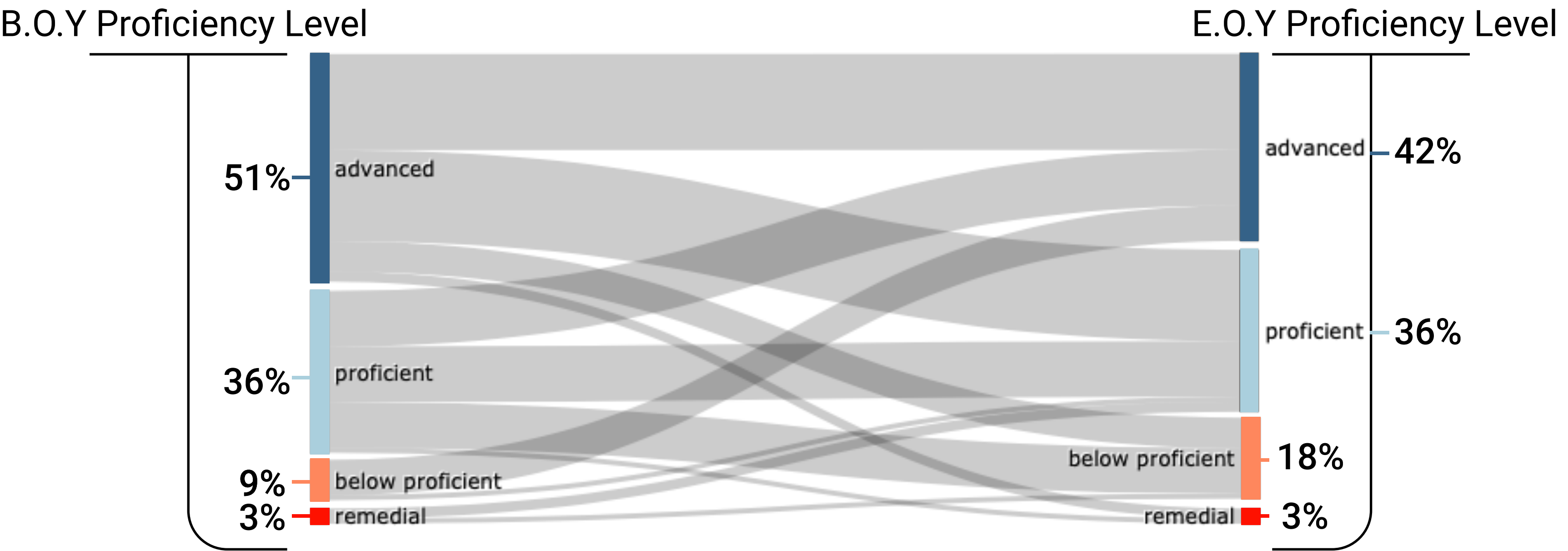




# Overall Performance: Crown Heights MS

How are schools bringing students from under-performance to excellence?

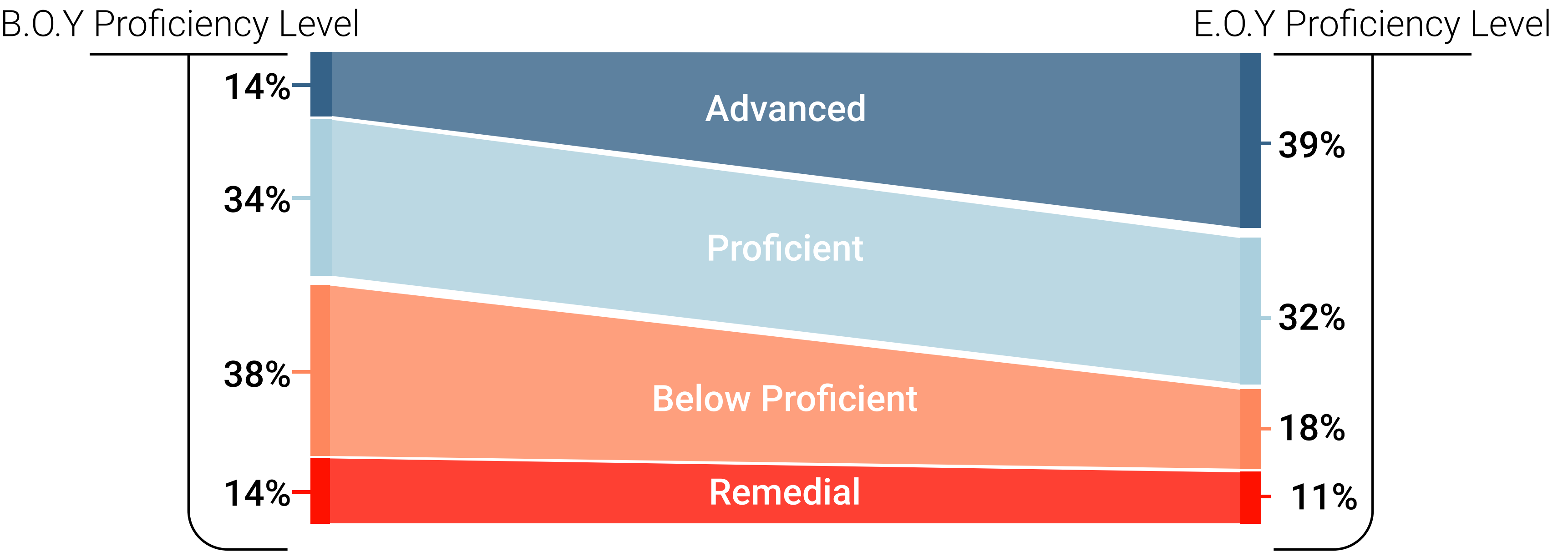
Change in Student Reading Proficiency at Crown Heights MS



# Overall Performance: Bushwick MS

How are schools bringing students from under-performance to excellence?

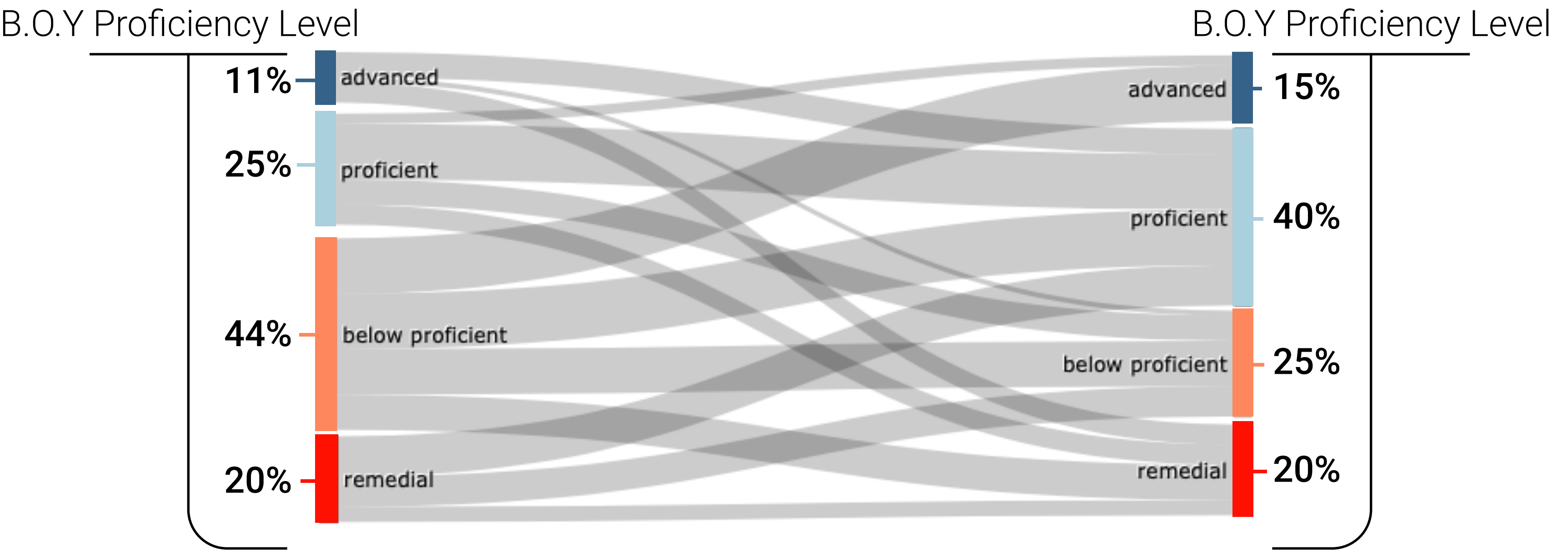
Change in Student Reading Proficiency at Bushwick MS



# 5th Grade Performance: Bushwick MS

How are schools bringing students from under-performance to excellence?

Change in 5th Grade Student Reading Proficiency at Bushwick MS



# 6th Grade Performance: Bushwick MS

How are schools bringing students from under-performance to excellence?

Change in 6th Grade Student Reading Proficiency at Bushwick MS

