

# Grinnell High School Student Achievement Data

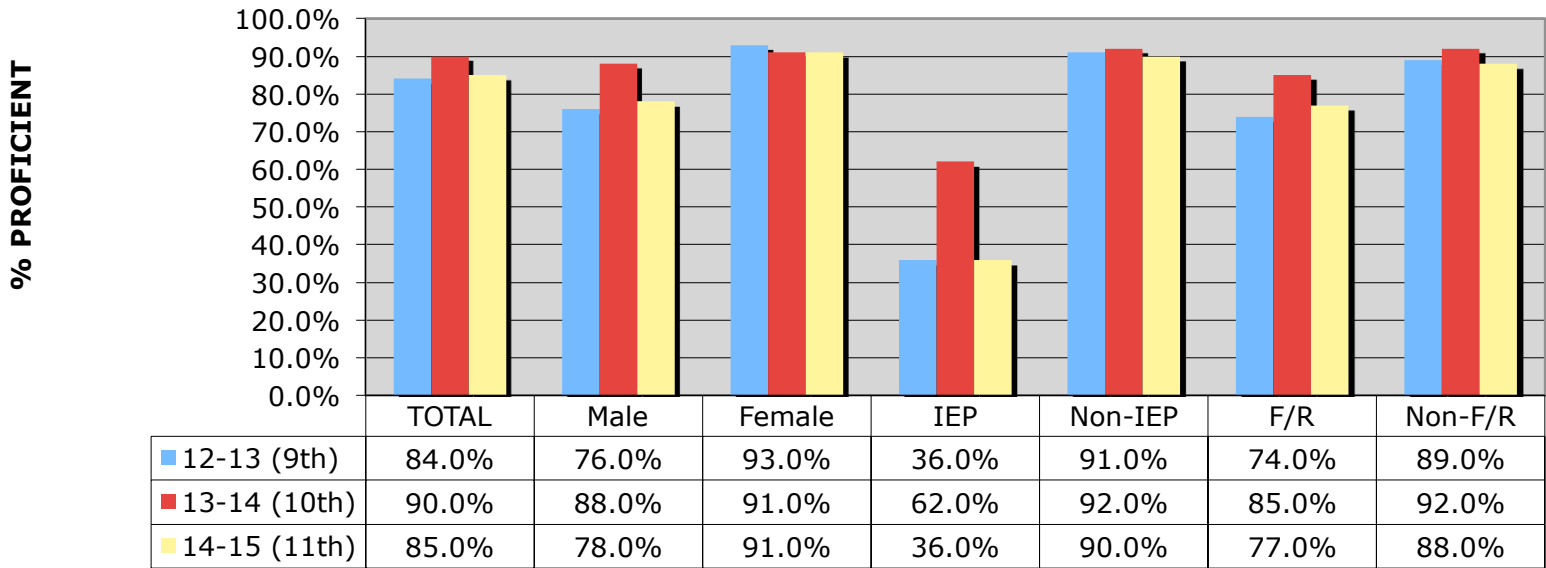
2015-16

# GHS Reading Data (AIG)

<b>9<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded Growth</b>	<b>Avg. NSS Growth</b>
120 (FAY students)	63.3%	49.2%	12.3 Points
<b>10<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded Growth</b>	<b>Avg. NSS Growth</b>
134 (FAY students)	64.2%	50.8%	8.9 Points
<b>11<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded Growth</b>	<b>Avg. NSS Growth</b>
98 (FAY students)	40.8%	24.5%	-0.2 Points

# Reading Proficiency: Class of 2016

**Class of 2016: Reading Proficiency**

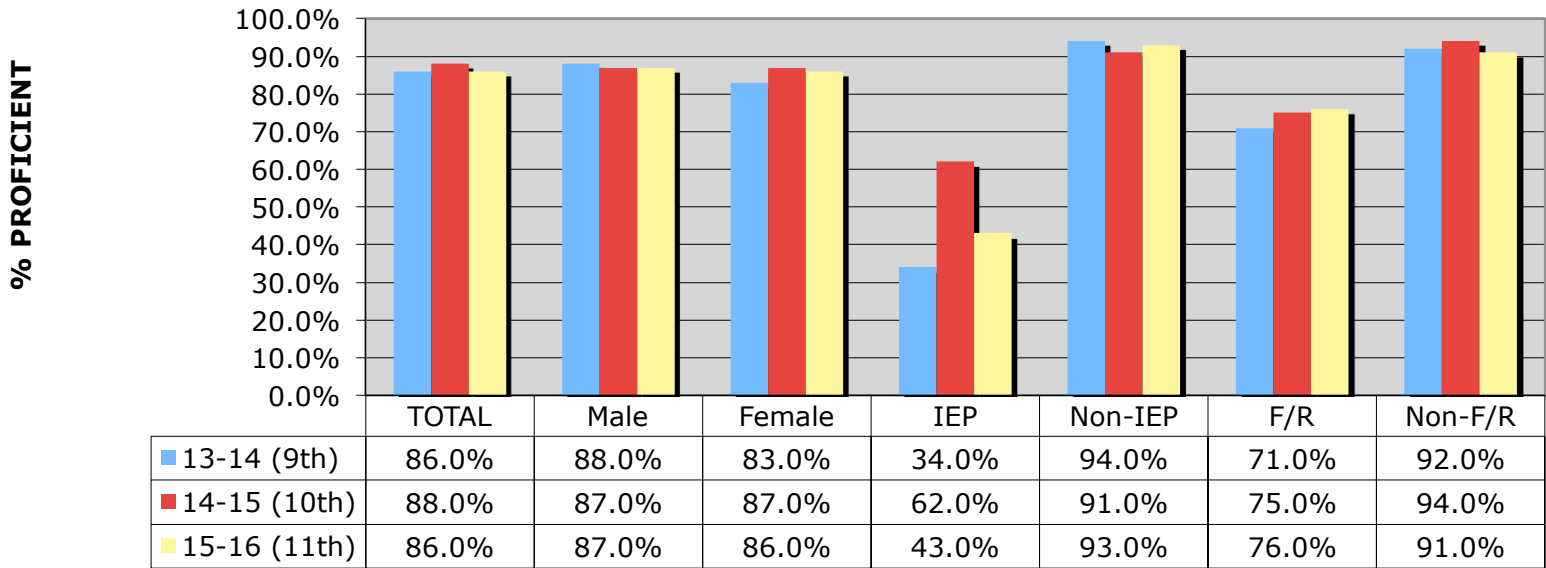


**SUBGROUP**

■ 12-13 (9th)     
 ■ 13-14 (10th)     
 ■ 14-15 (11th)

# Reading Proficiency: Class of 2017

**Class of 2017: Reading Proficiency**

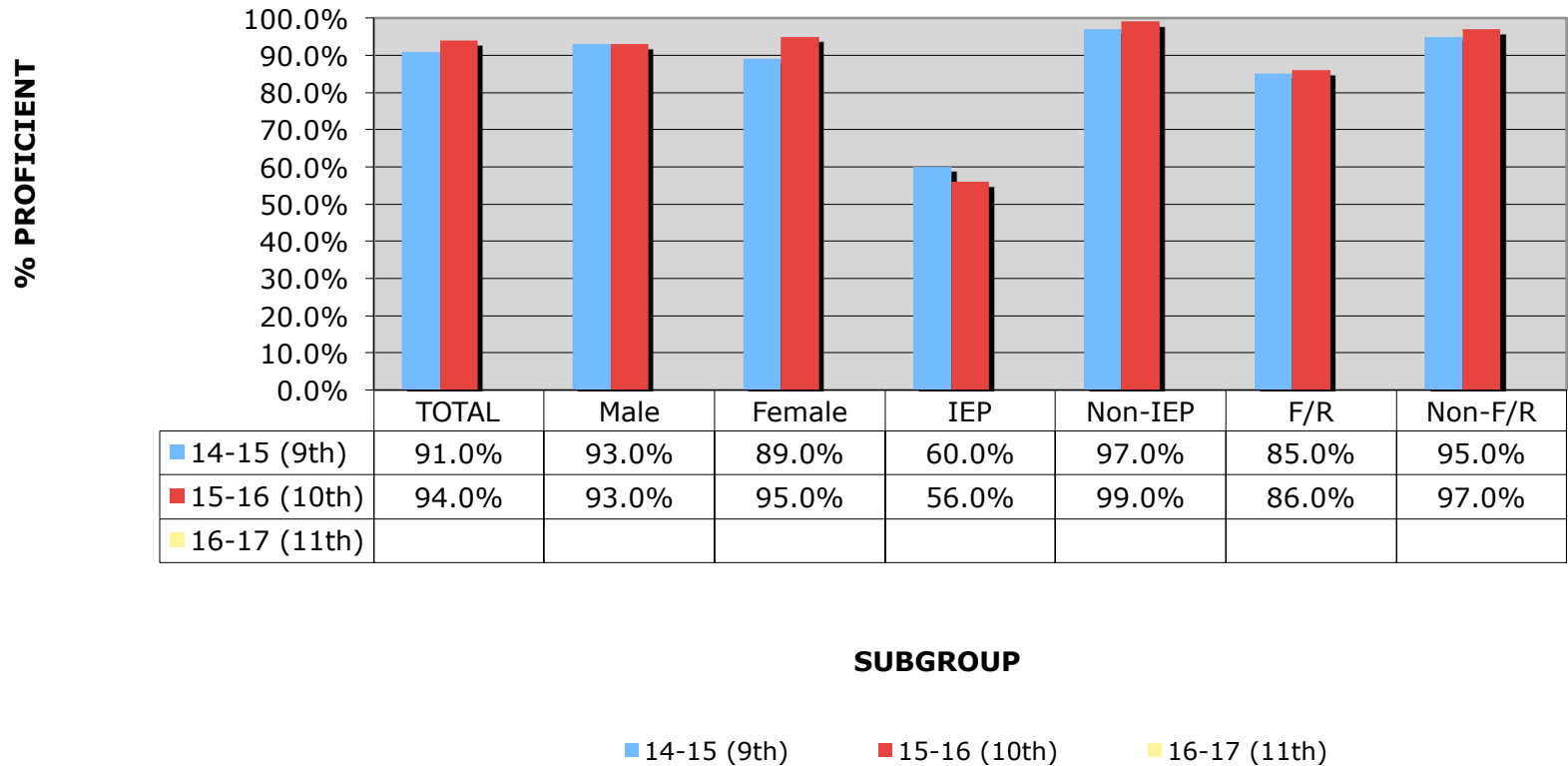


**SUBGROUP**

■ 13-14 (9th)     
 ■ 14-15 (10th)     
 ■ 15-16 (11th)

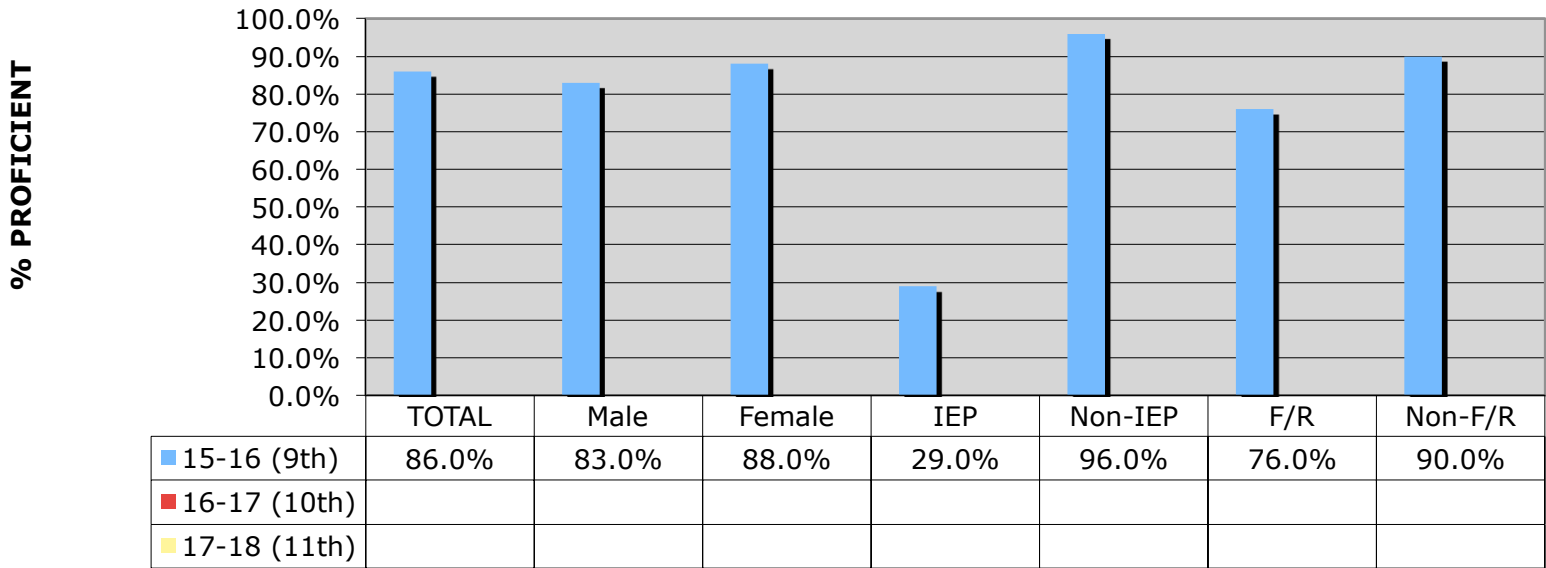
# Reading Proficiency: Class of 2018

**Class of 2018: Reading Proficiency**



# Reading Proficiency: Class of 2019

**Class of 2019: Reading Proficiency**



**SUBGROUP**

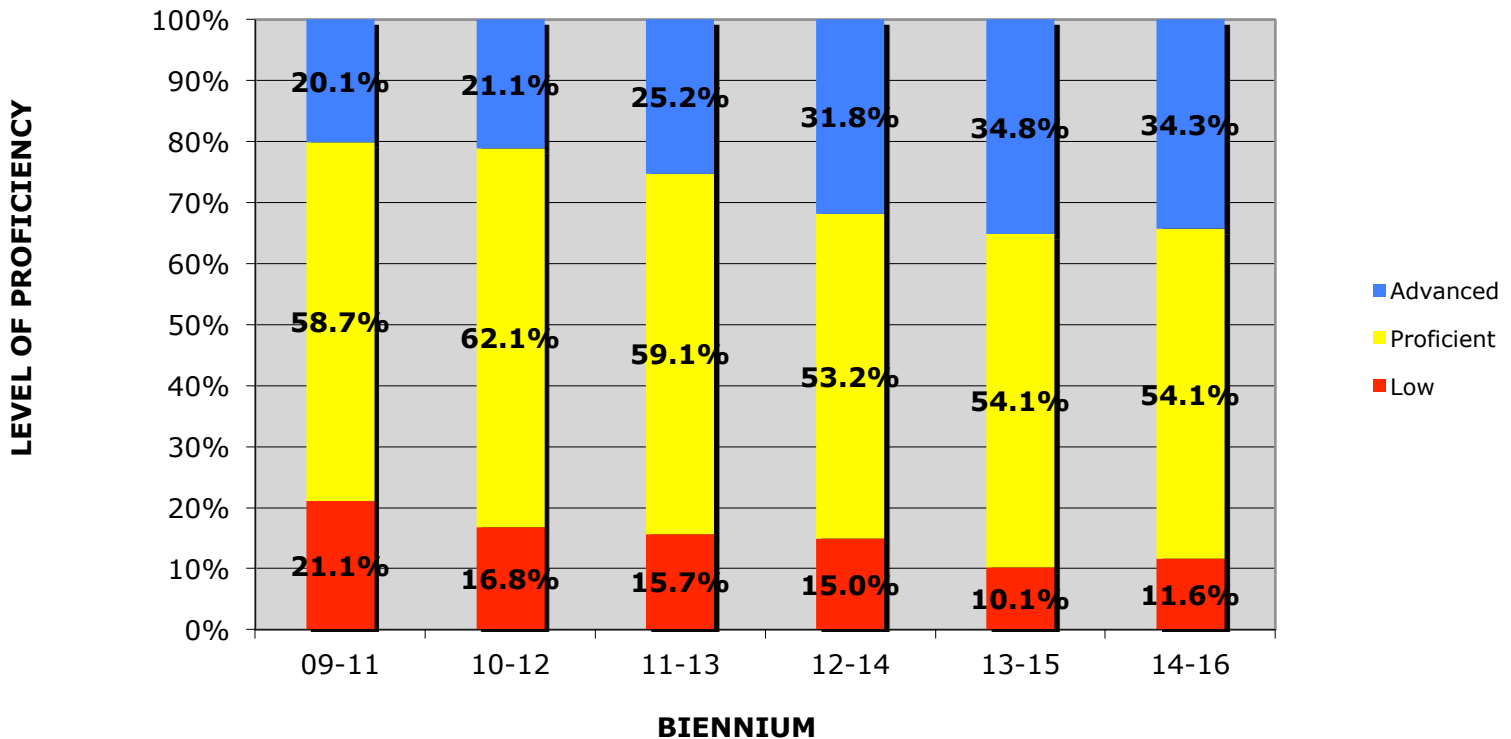
■ 15-16 (9th)

■ 16-17 (10th)

■ 17-18 (11th)

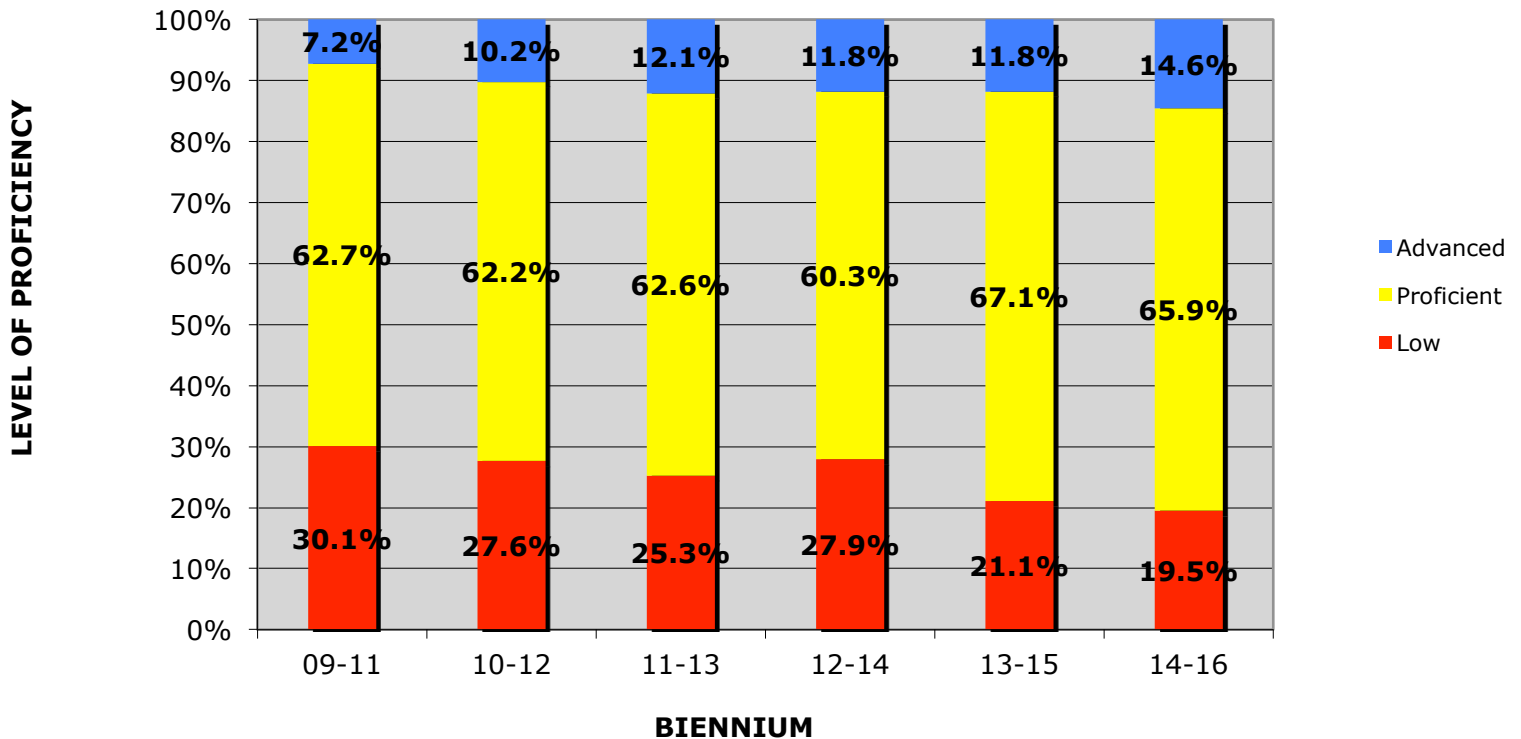
# 9<sup>th</sup> Reading Comp. Biennium (ALL)

9th Grade Reading Comprehension: TOTAL (NPR)



# 9<sup>th</sup> Reading Comp. Biennium (Low SES)

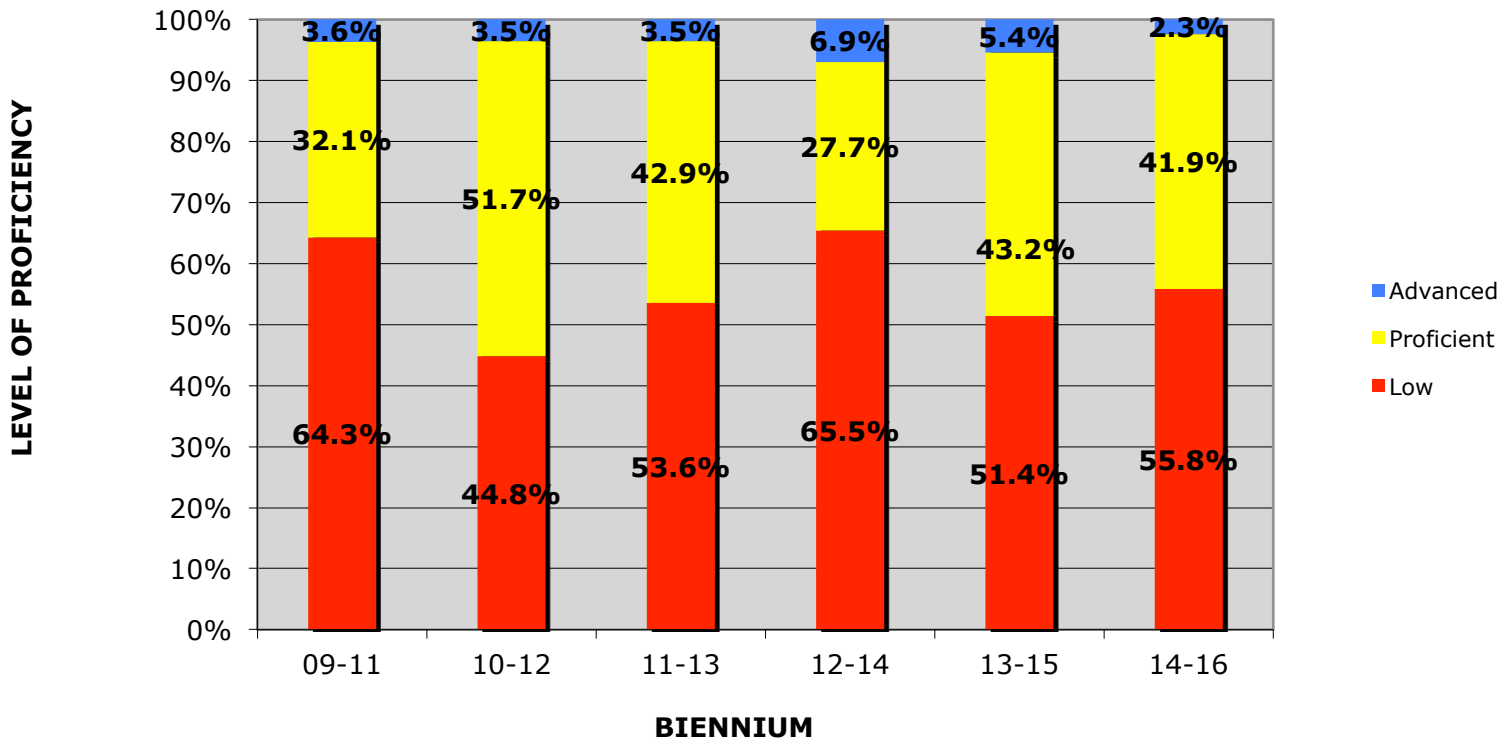
9th Grade Reading Comprehension: F/R (NPR)





# 9<sup>th</sup> Reading Comp. Biennium (IEP)

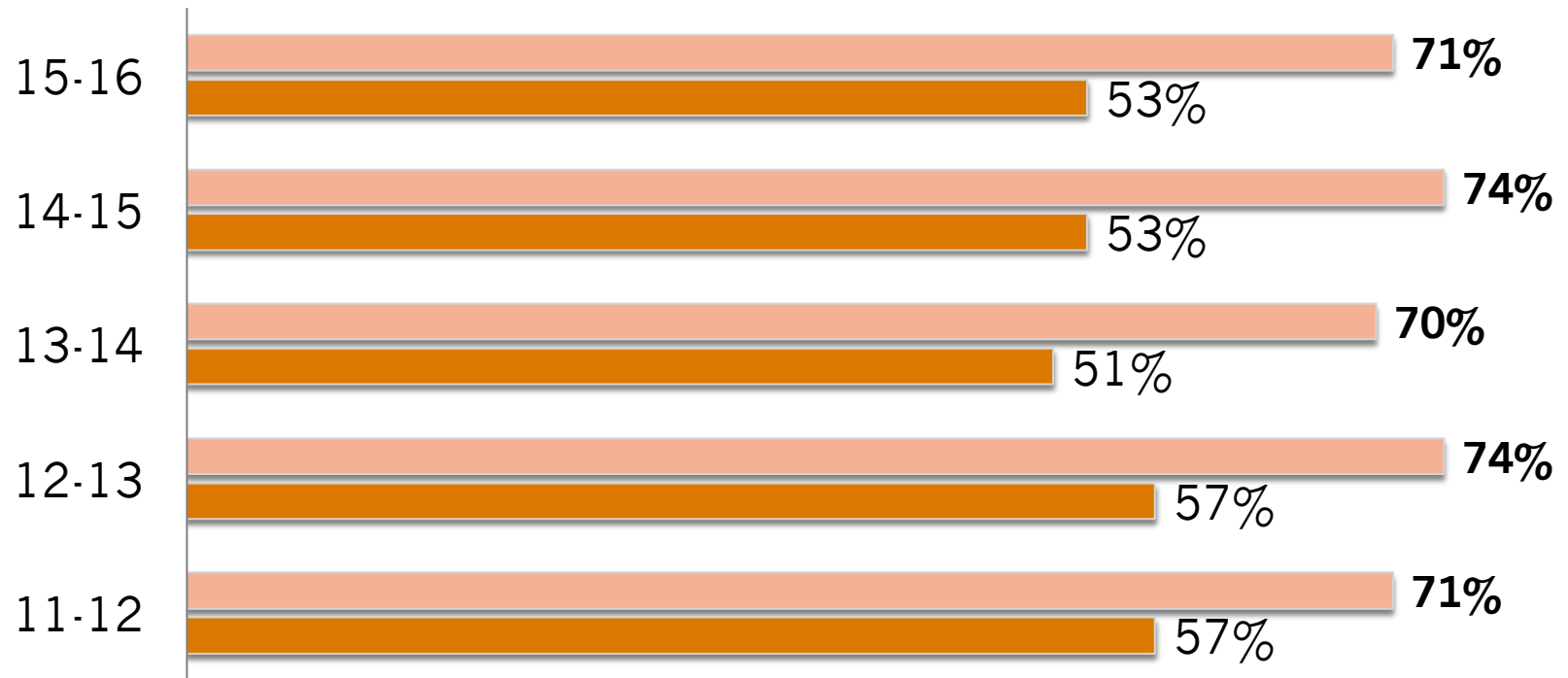
9th Grade Reading Comprehension: IEP (NPR)



# 9<sup>th</sup> Common Core Reading: Key Ideas & Details

## 9<sup>th</sup> Reading: Key Ideas & Details

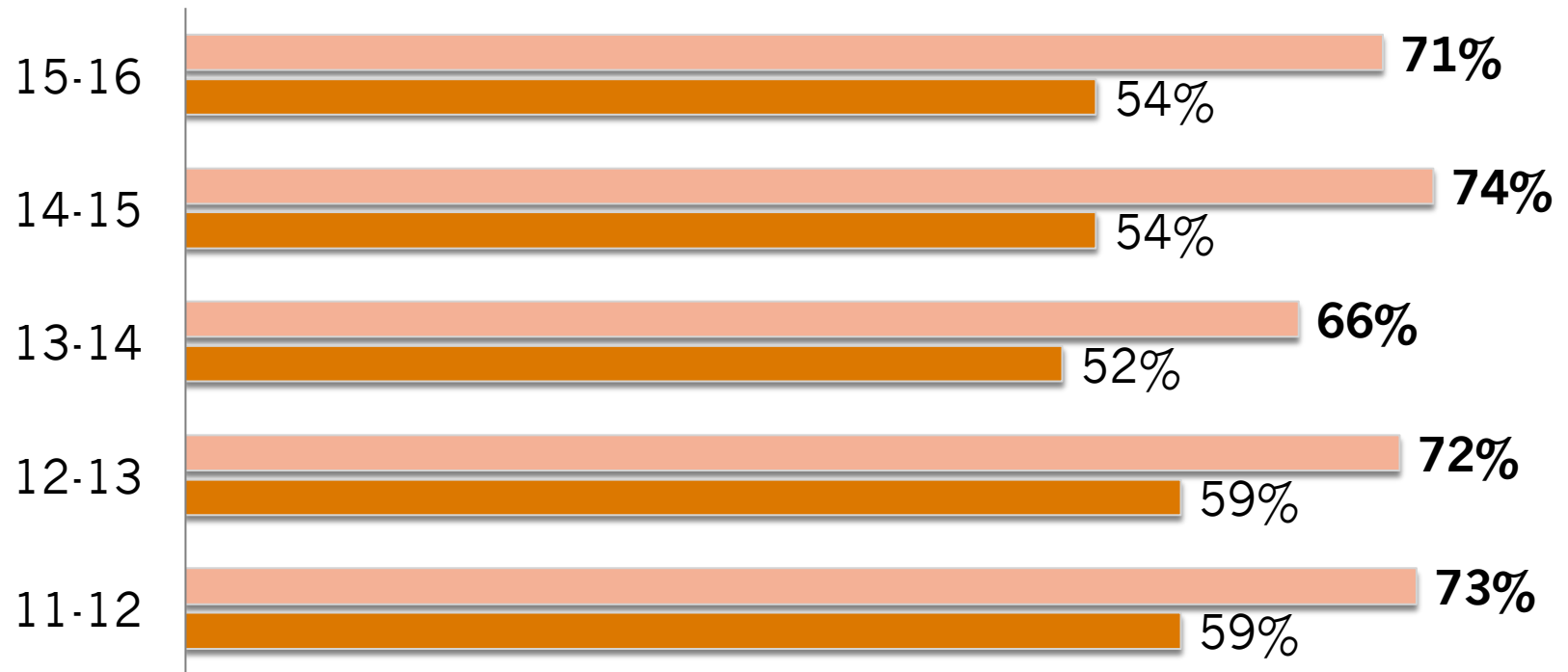
■ GHS % Correct   ■ Nat. % Correct



# 9<sup>th</sup> Common Core Reading: Craft & Structure

## 9th Reading: Craft & Structure

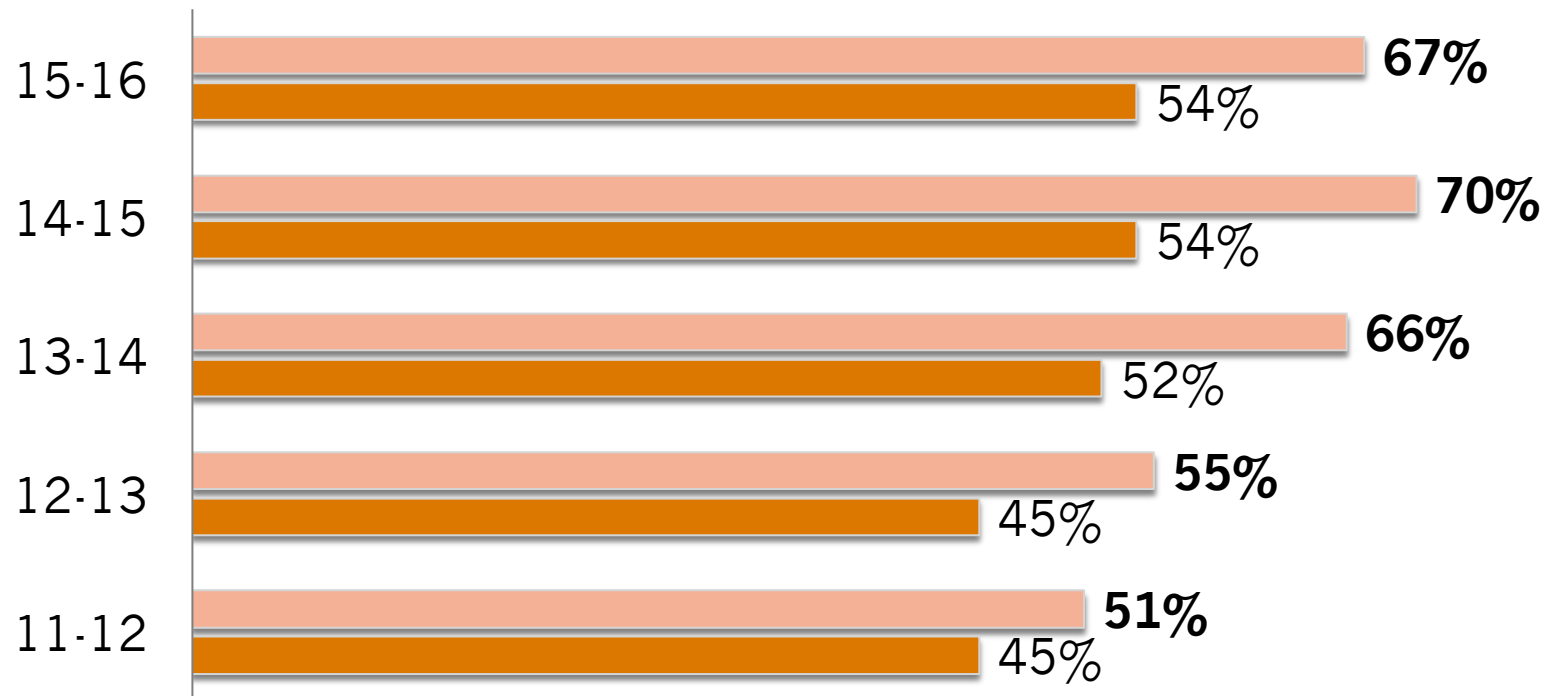
■ GHS % Correct   ■ Nat. % Correct



# 9<sup>th</sup> Common Core Reading: Integration of Knowledge & Ideas

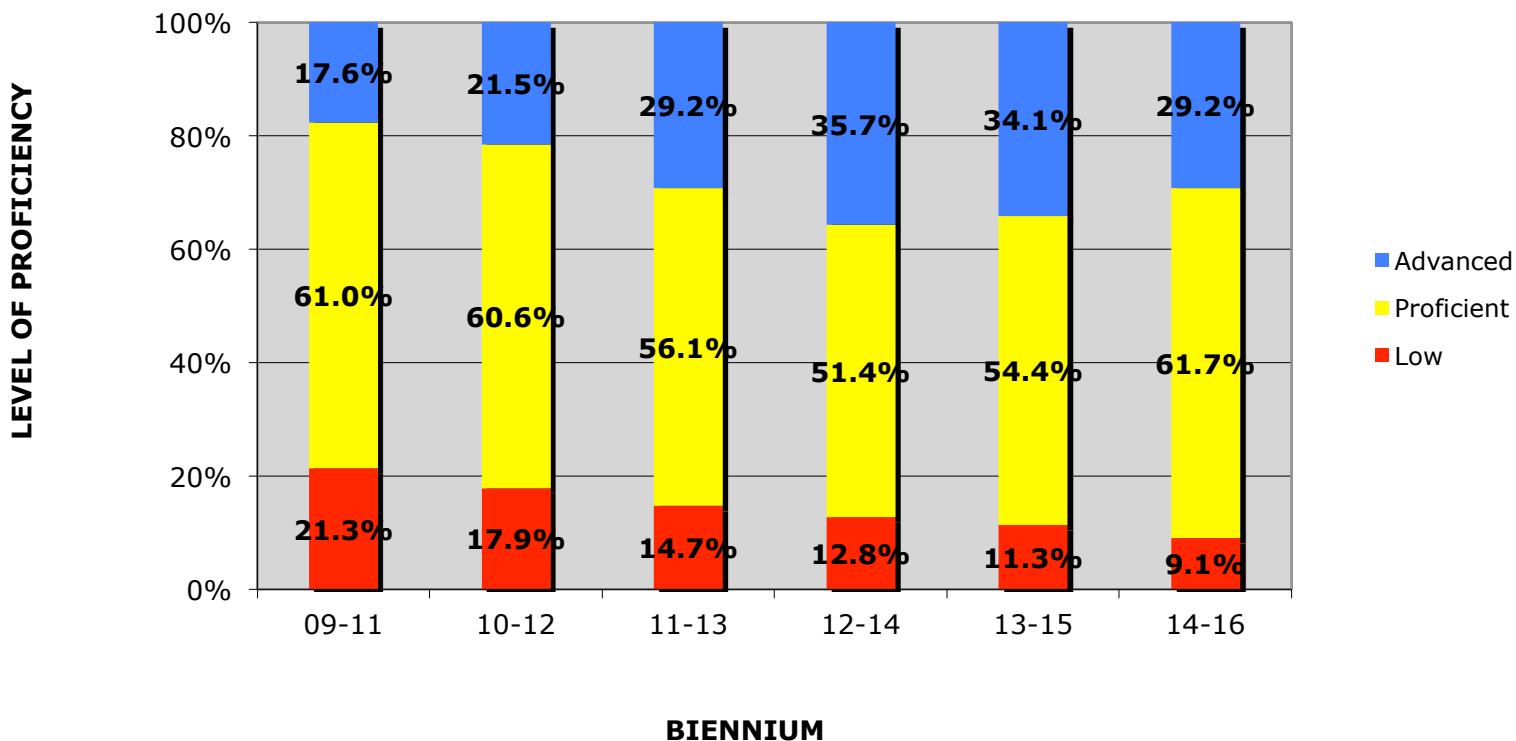
## 9th Reading: Int. of Knowledge & Ideas

■ GHS % Correct   ■ Nat. % Correct



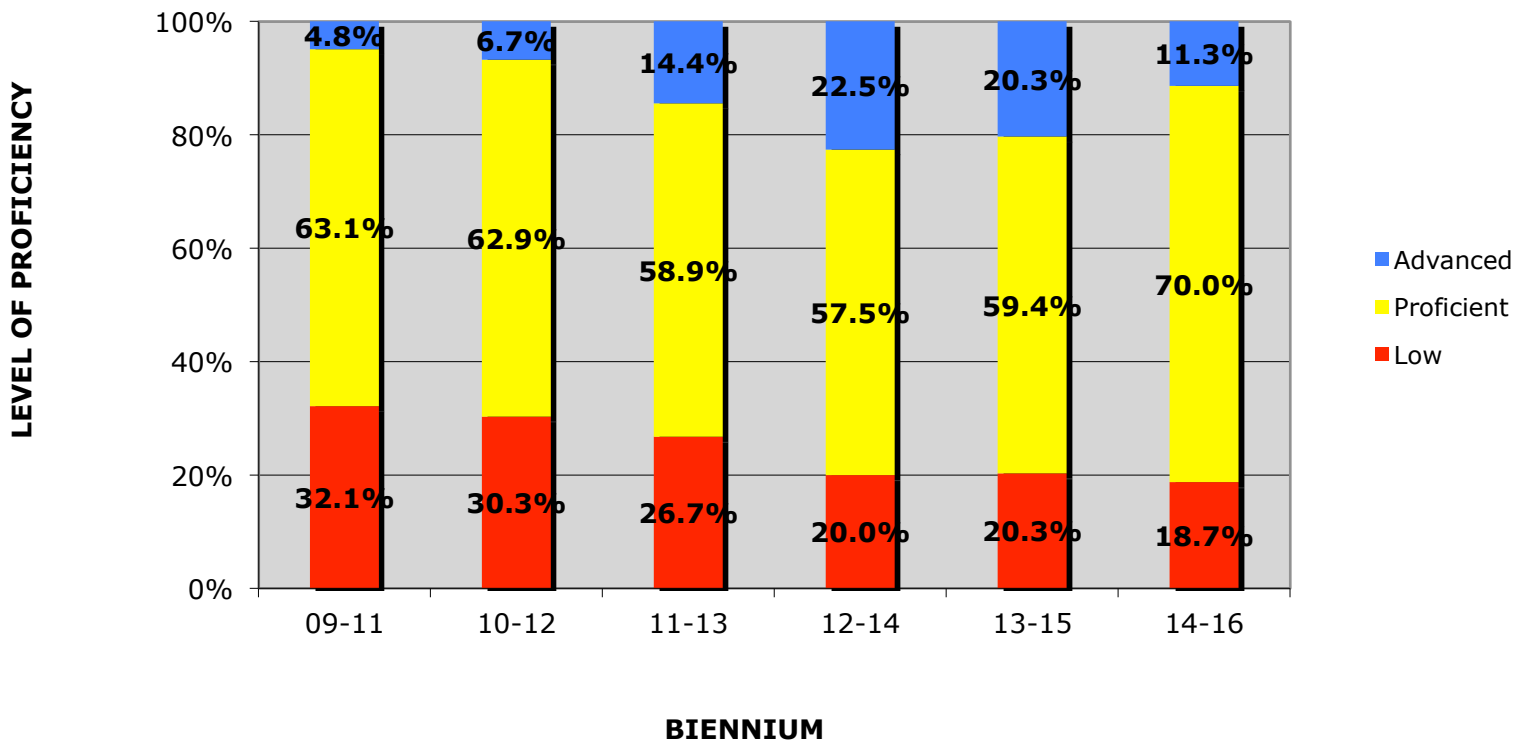
# 10<sup>th</sup> Reading Comp. Biennium (ALL)

10th Grade Reading Comprehension: TOTAL (NPR)



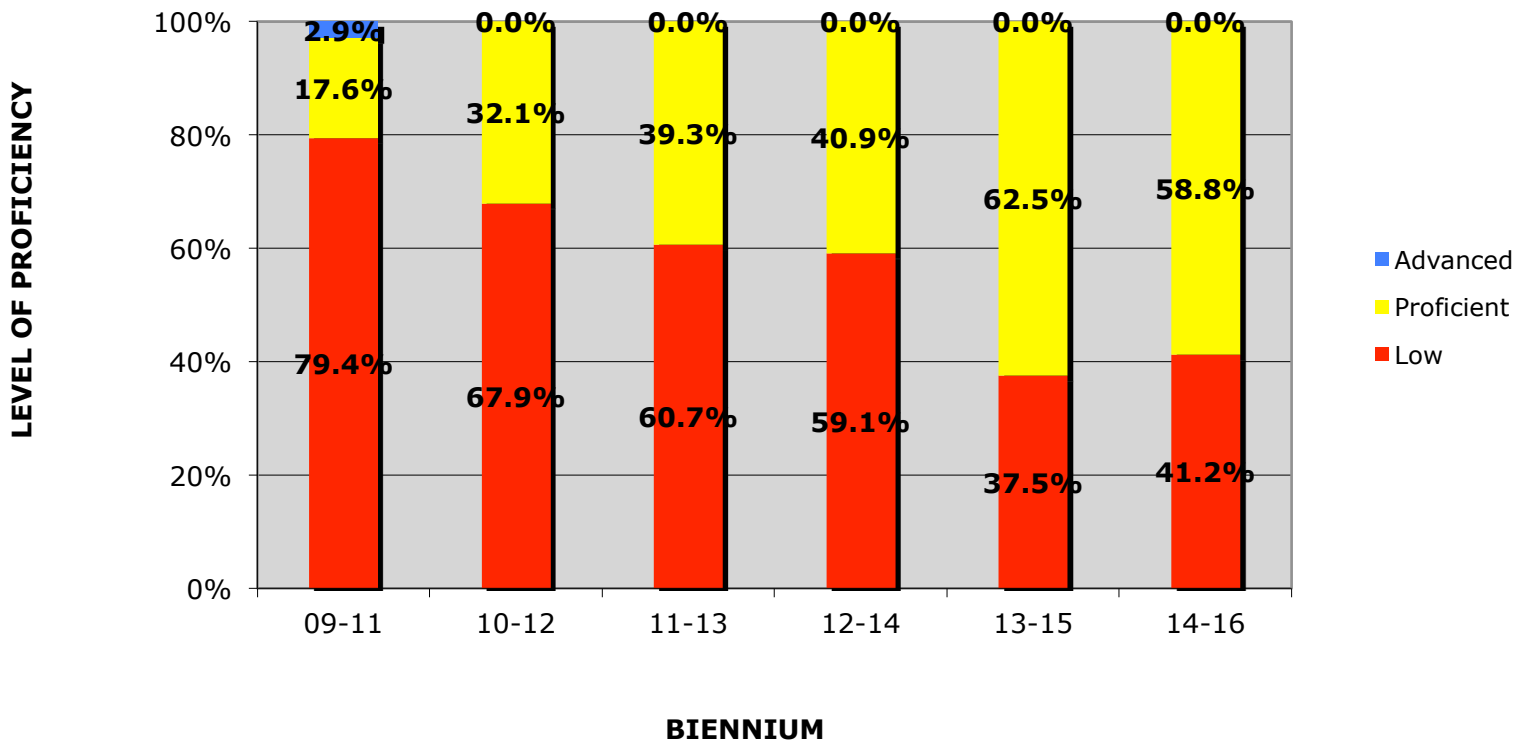
# 10<sup>th</sup> Reading Comp. Biennium (Low SES)

## 10th Grade Reading Comprehension: F/R (NPR)



# 10<sup>th</sup> Reading Comp. Biennium (IEP)

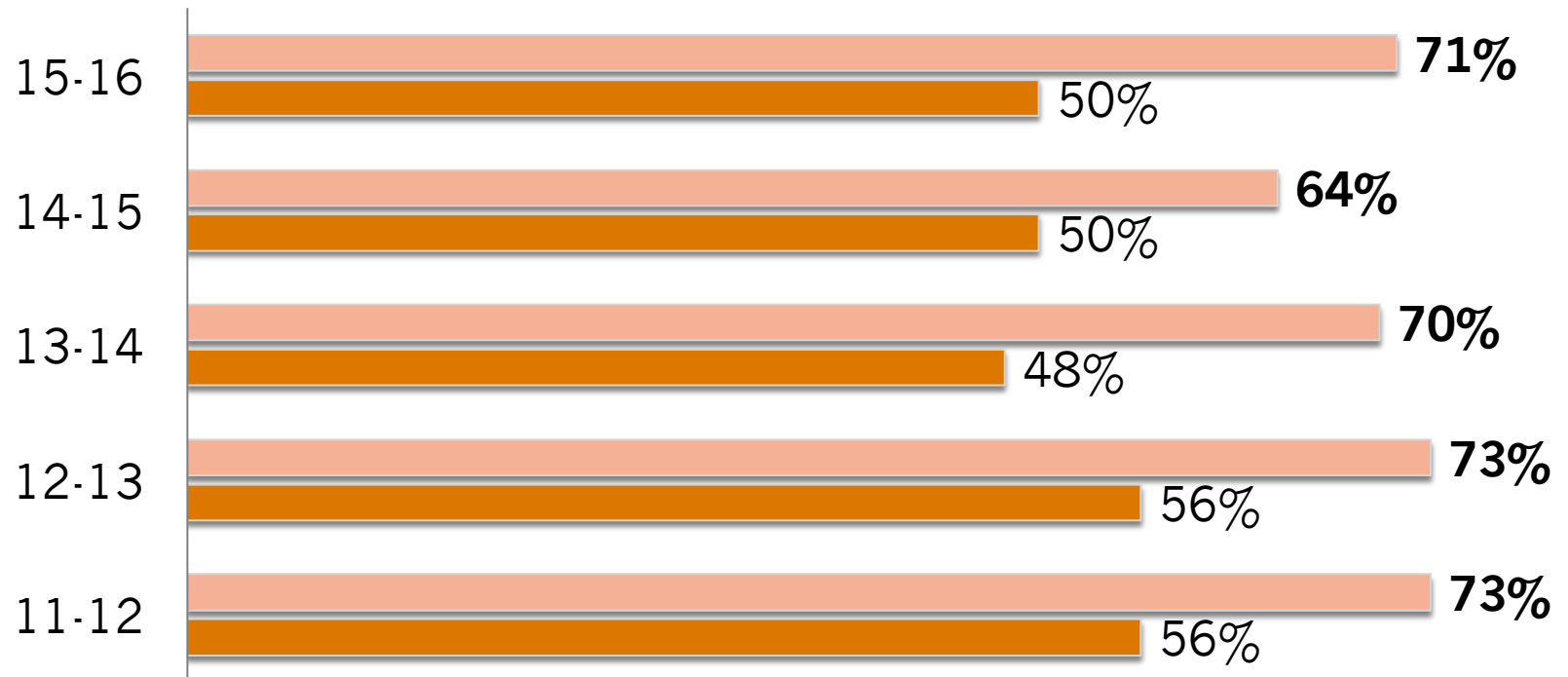
10th Grade Reading Comprehension: IEP (NPR)



# 10<sup>th</sup> Common Core Reading: Key Ideas & Details

## 10th Reading: Key Ideas & Details

■ GHS % Correct   ■ Nat. % Correct

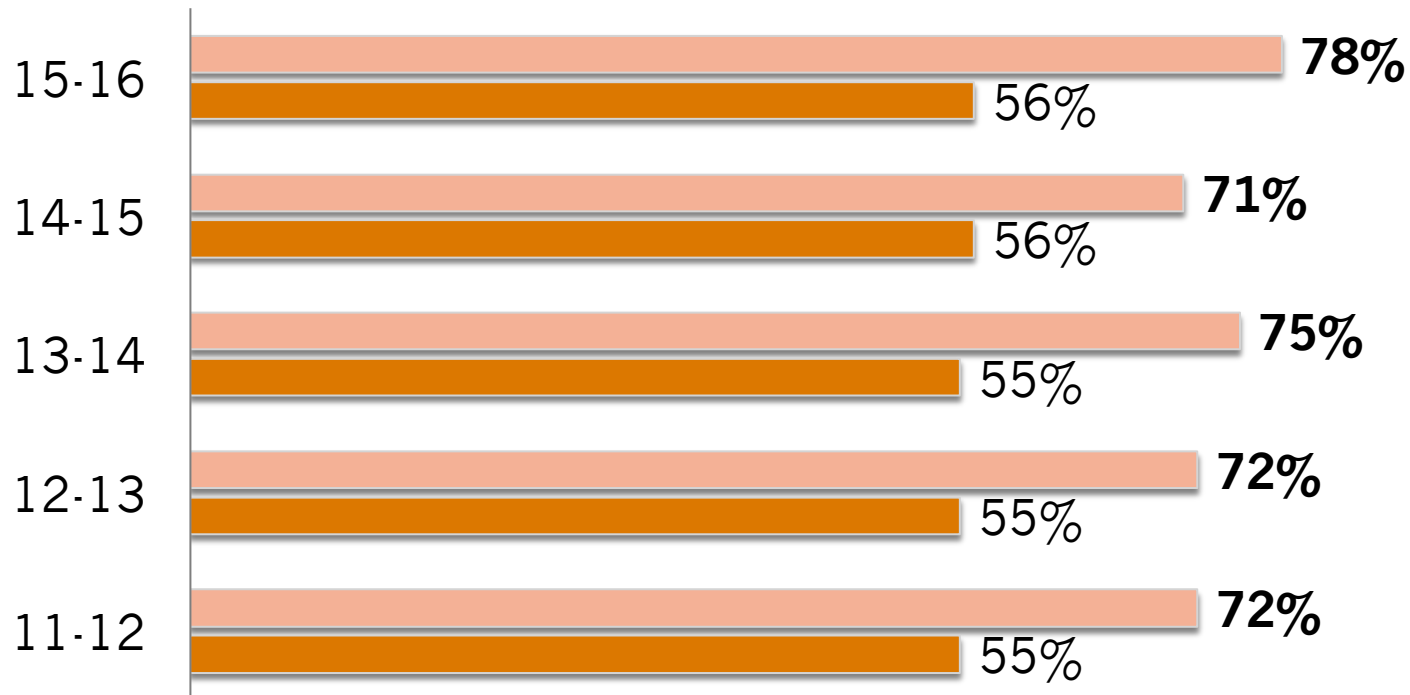




# 10<sup>th</sup> Common Core Reading: Craft & Structure

## 10th Reading: Craft & Structure

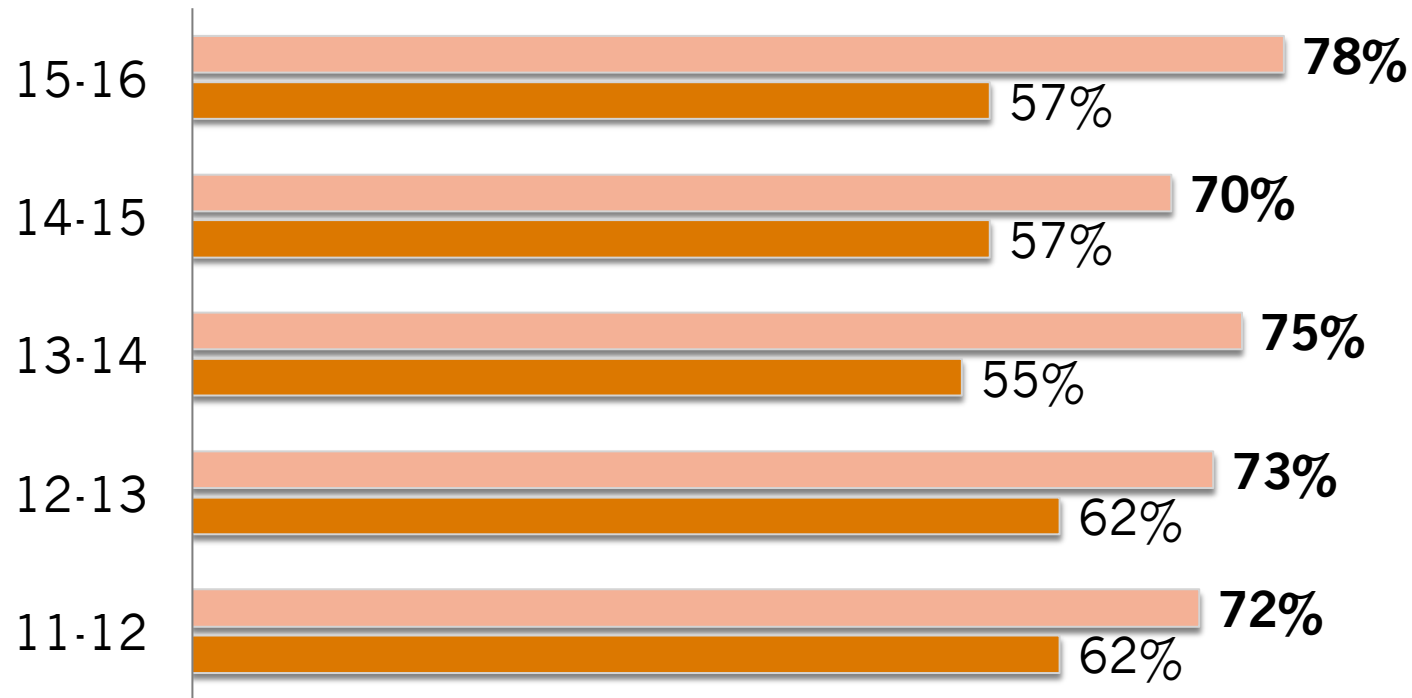
■ GHS % Correct   ■ Nat. % Correct



# 10<sup>th</sup> Common Core Reading: Integration of Knowledge & Ideas

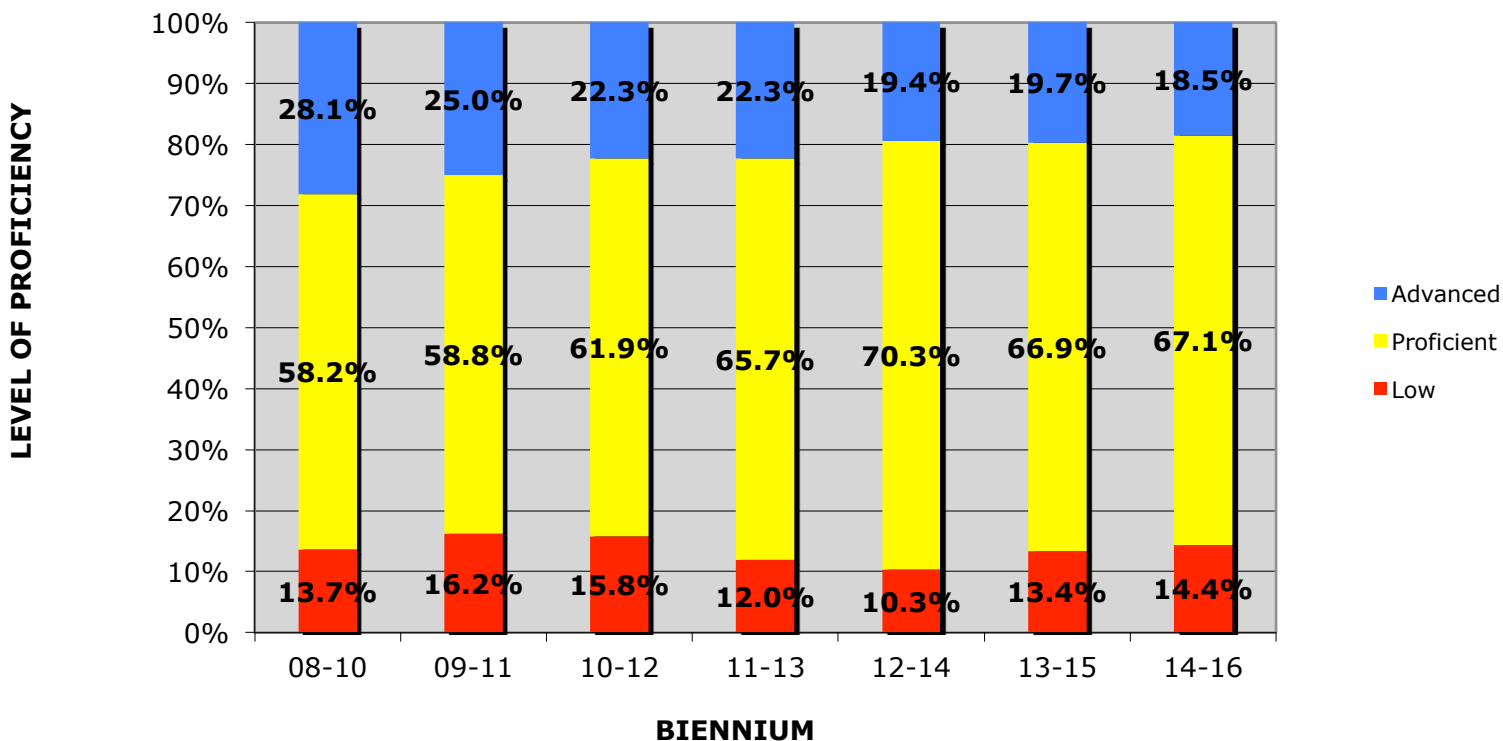
## 10th Reading: Int. of Knowledge & Ideas

■ GHS % Correct   ■ Nat. % Correct



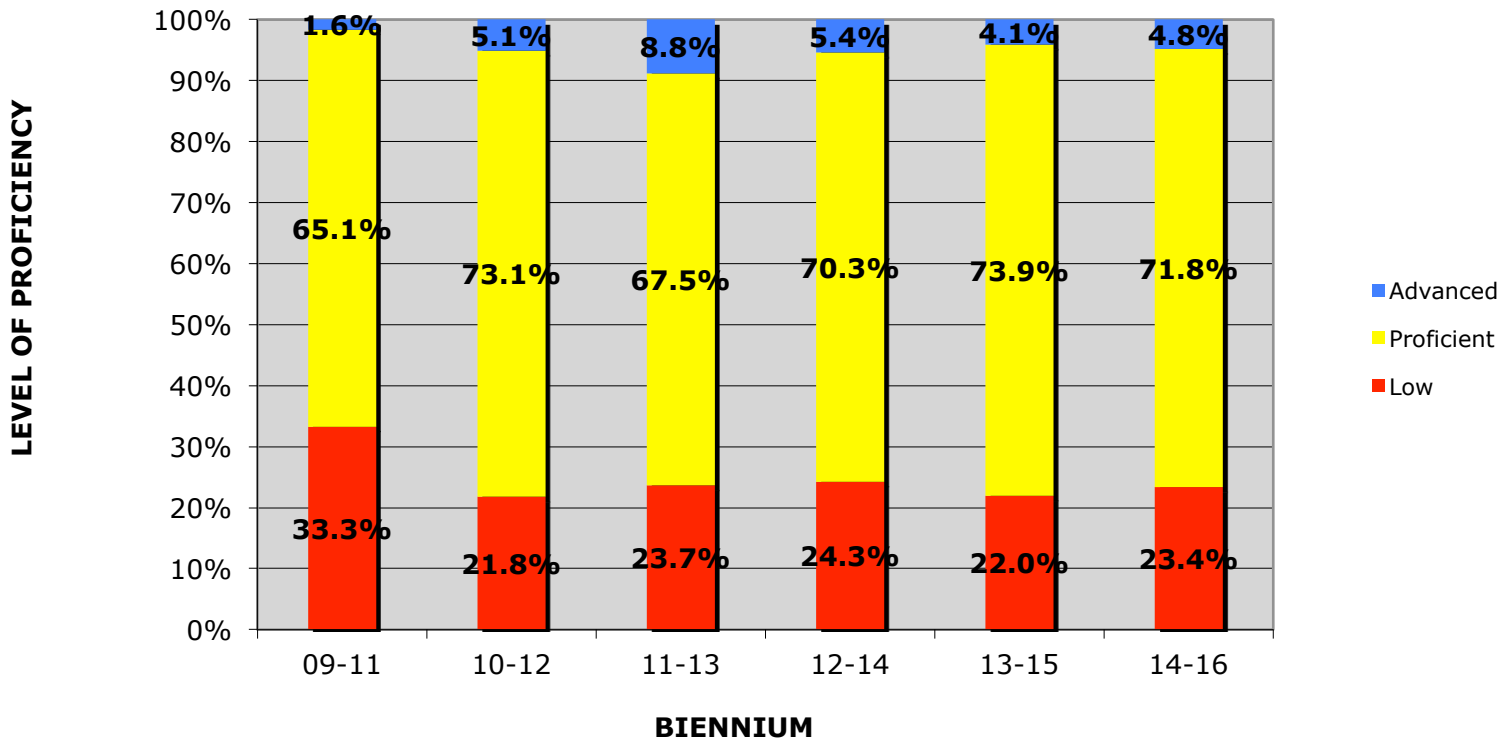
# 11<sup>th</sup> Reading Comp. Biennium (ALL)

11th Grade Reading Comprehension: TOTAL (NPR)



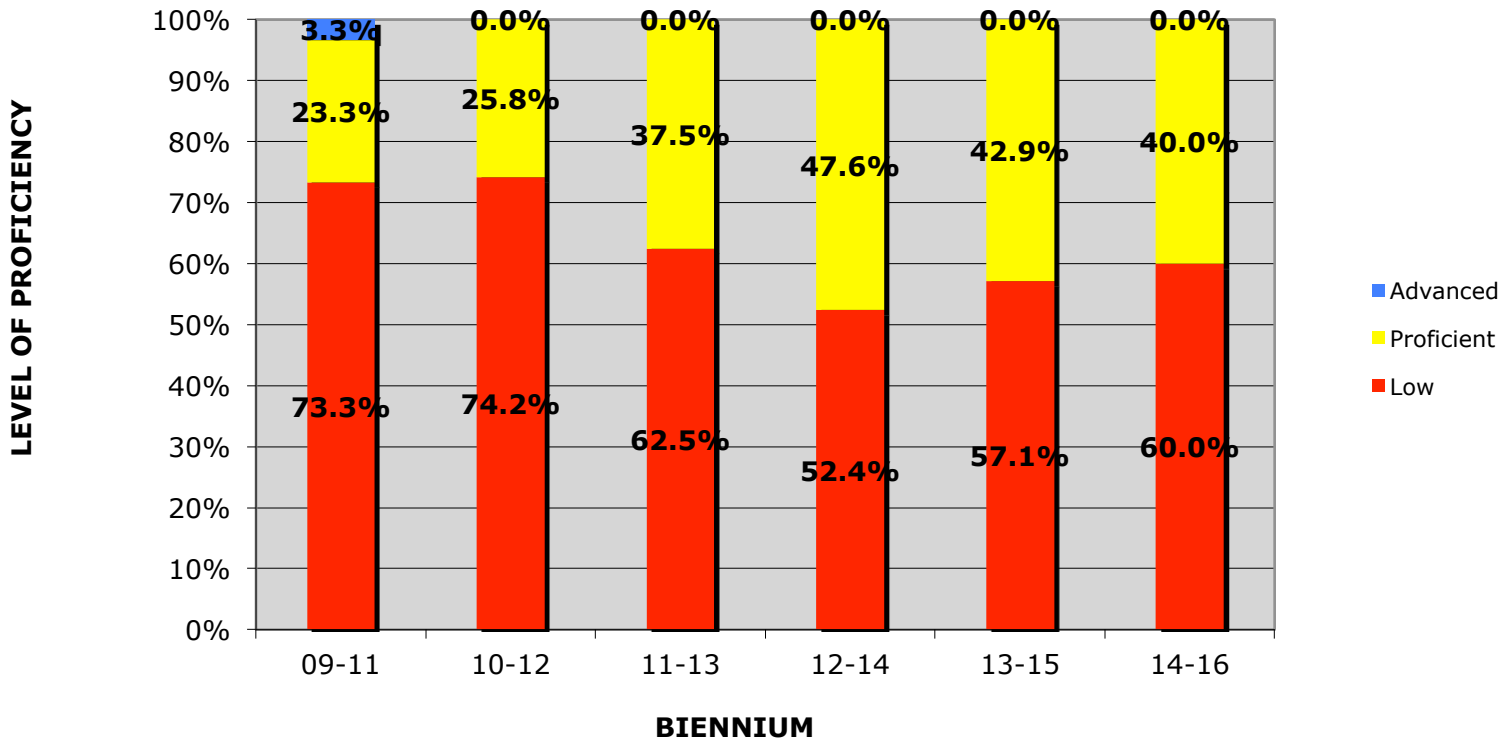
# 11<sup>th</sup> Reading Comp. Biennium (Low SES)

11th Grade Reading: F/R (NPR)



# 11<sup>th</sup> Reading Comp. Biennium (IEP)

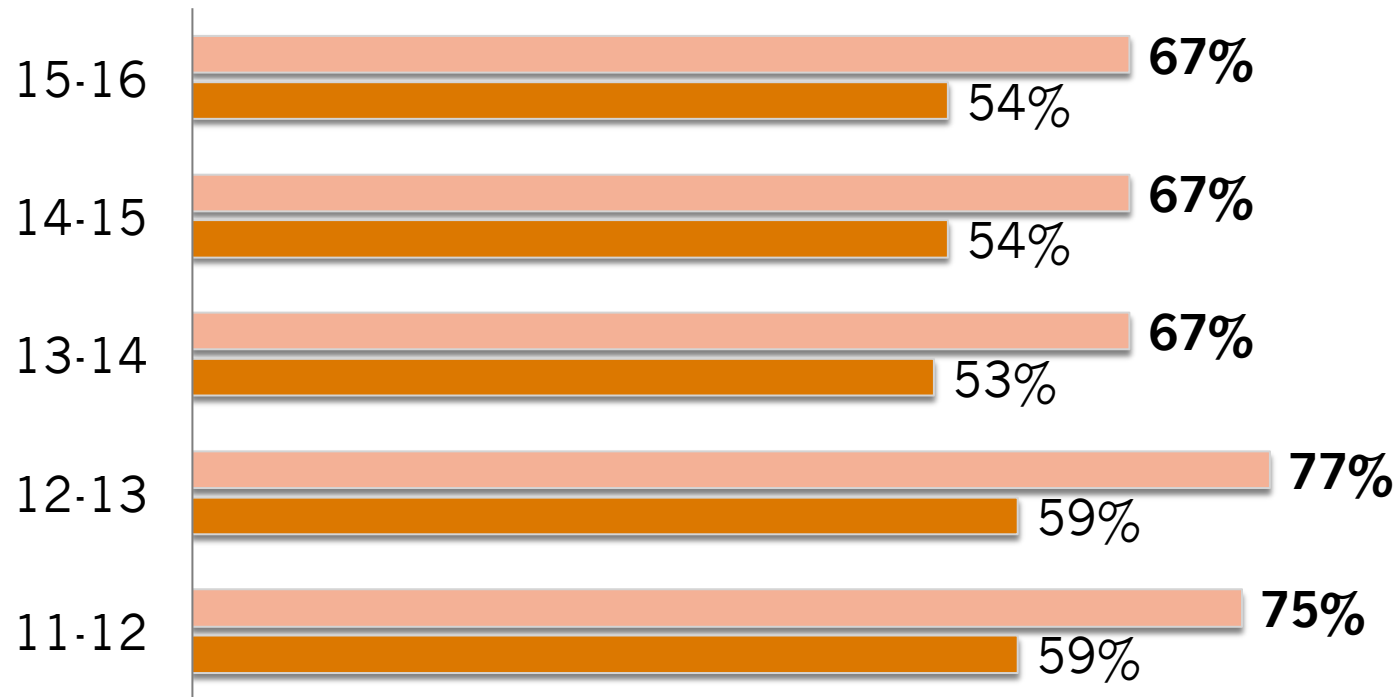
11th Grade Reading: IEP (NPR)



# 11<sup>th</sup> Common Core Reading: Key Ideas & Details

## 11th Reading: Key Ideas & Details

■ GHS % Correct   ■ Nat. % Correct



# 11<sup>th</sup> Common Core Reading: Craft & Structure

## 11th Reading: Craft & Structure

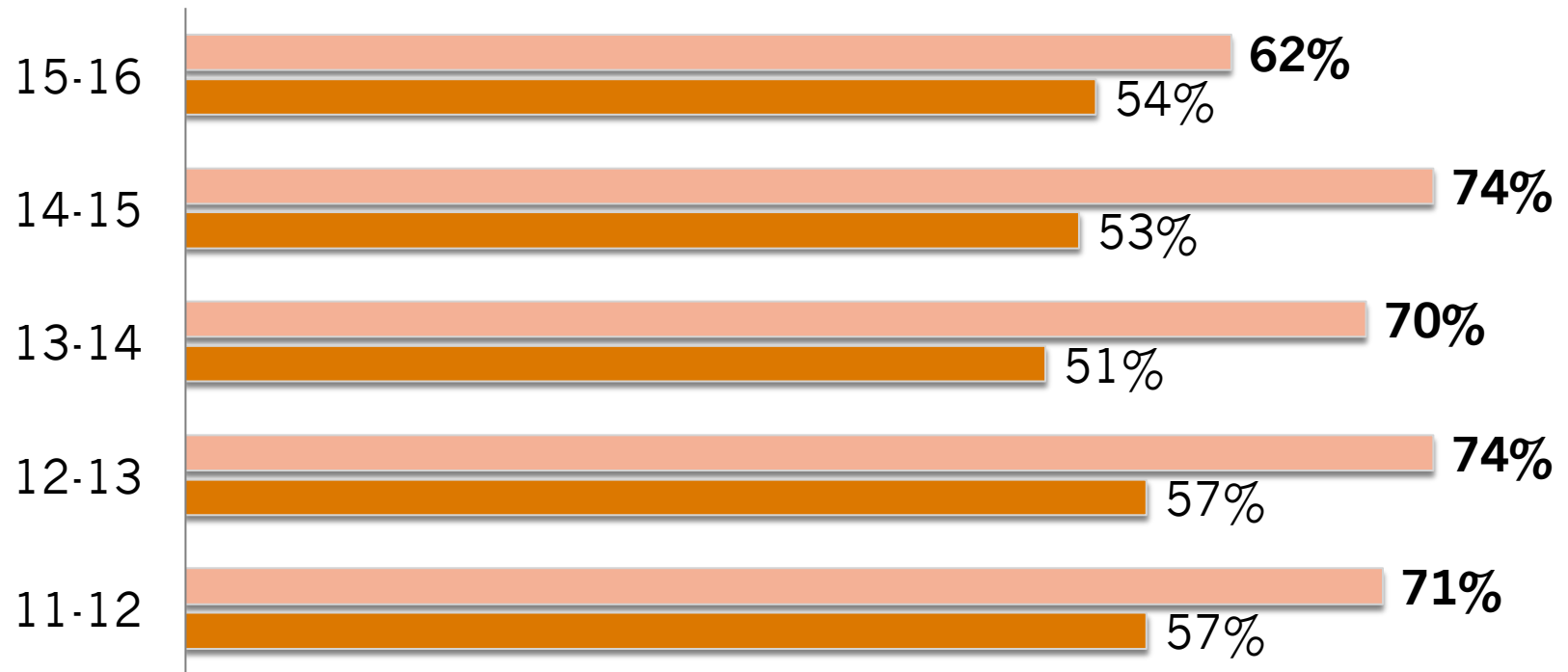
■ GHS % Correct   ■ Nat. % Correct



# 11<sup>th</sup> Common Core Reading: Integration of Knowledge & Ideas

## 11th Reading: Int. of Knowledge & Ideas

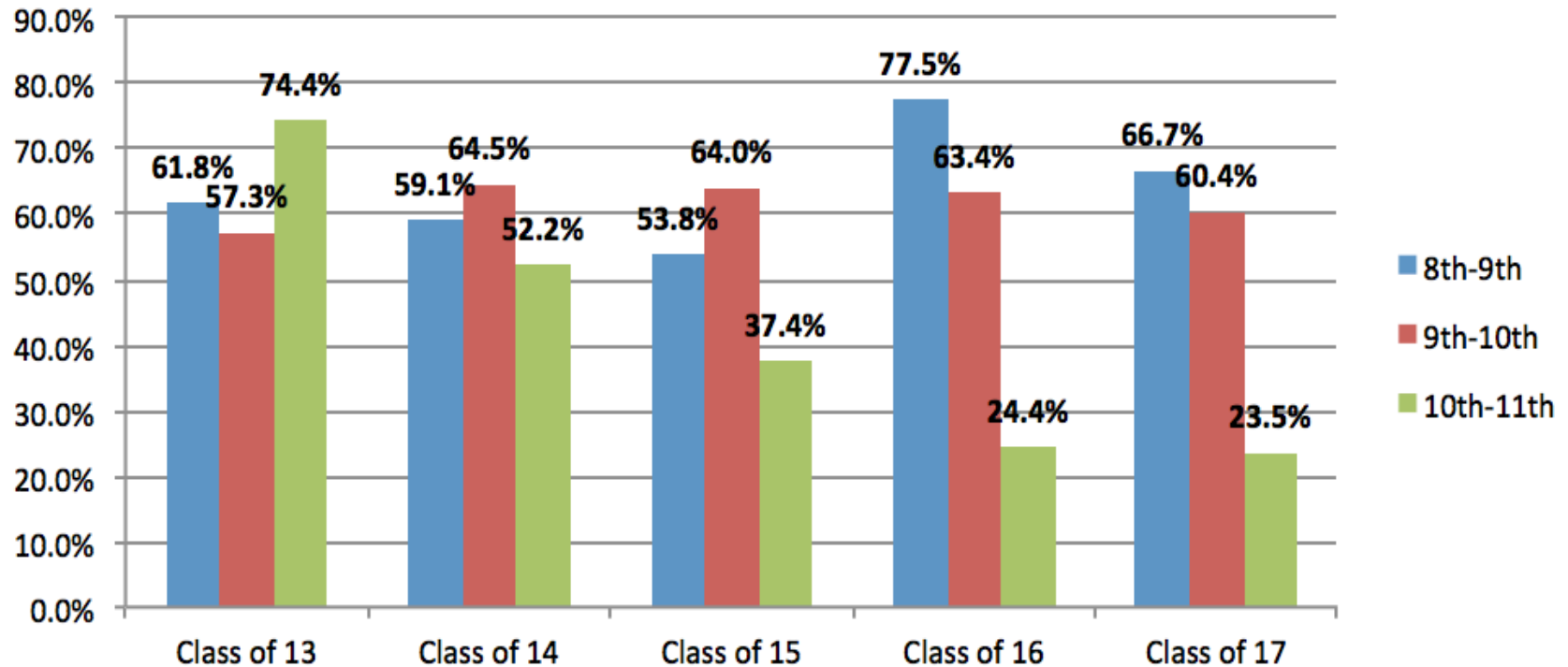
■ GHS % Correct   ■ Nat. % Correct





# Reading: Exceeding NSS Growth

**Reading: % of Students Exceeding Typical NSS Growth (as  
FAY Juniors)**

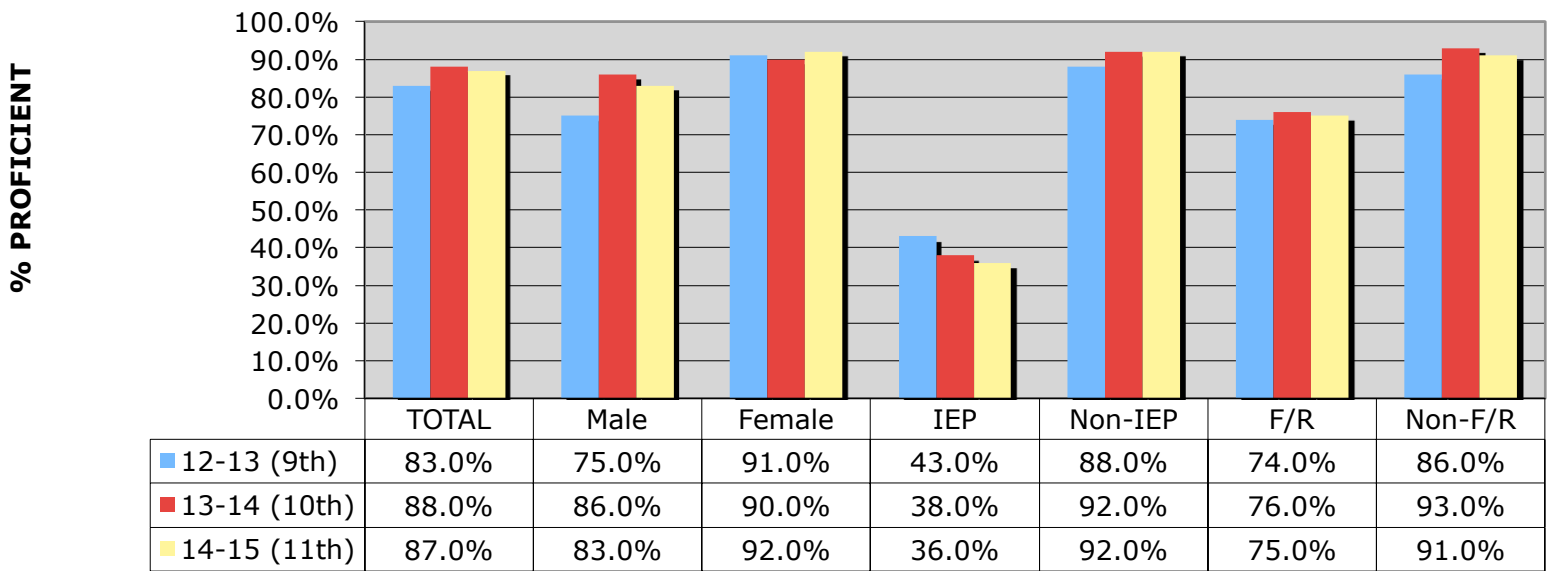


# GHS Math Data (AIG)

<b>9<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded Growth</b>	<b>Avg. NSS Growth</b>
120 (FAY Students)	60.8%	45.8%	5.8 Points
<b>10<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded Growth</b>	<b>Avg. NSS Growth</b>
133 (FAY Students)	77.4%	60.2%	14.9 Points
<b>11<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded Growth</b>	<b>Avg. NSS Growth</b>
96 (FAY Students)	77.1%	60.4%	12.0 Points

# Math Proficiency: Class of 2016

**Class of 2016: Math Proficiency**

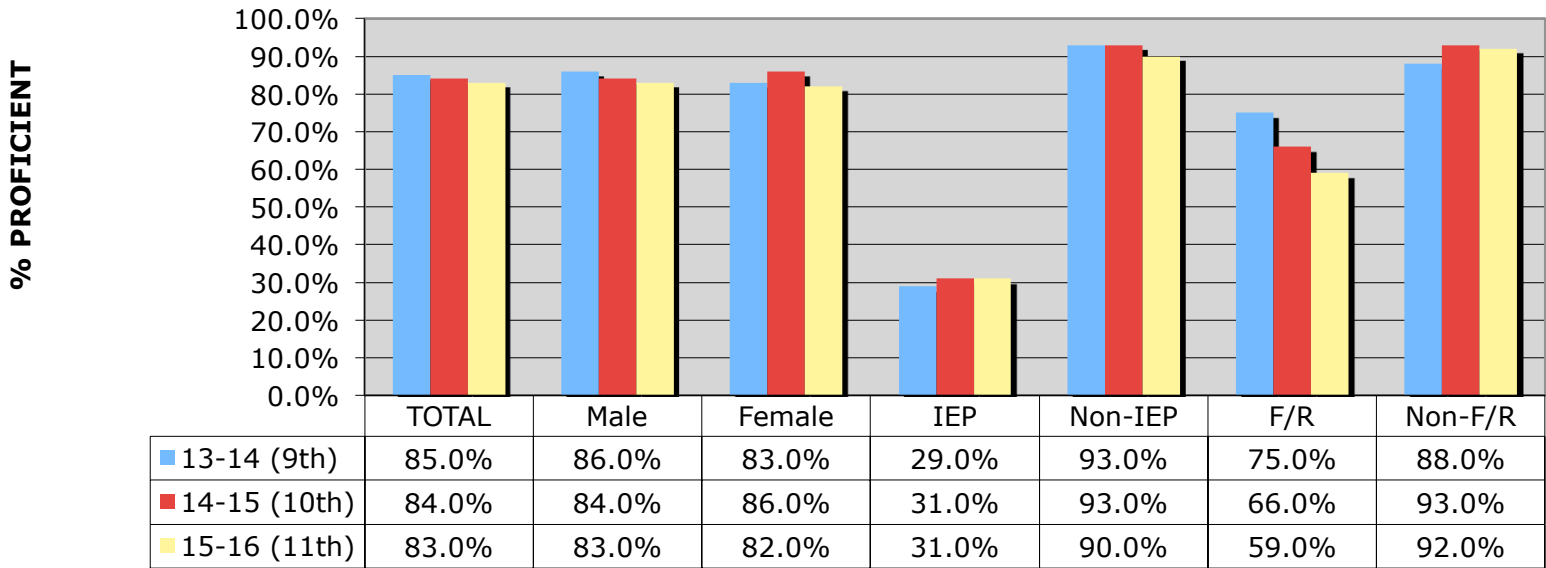


**SUBGROUP**

■ 12-13 (9th)     
 ■ 13-14 (10th)     
 ■ 14-15 (11th)

# Math Proficiency: Class of 2017

**Class of 2017: Math Proficiency**



**SUBGROUP**

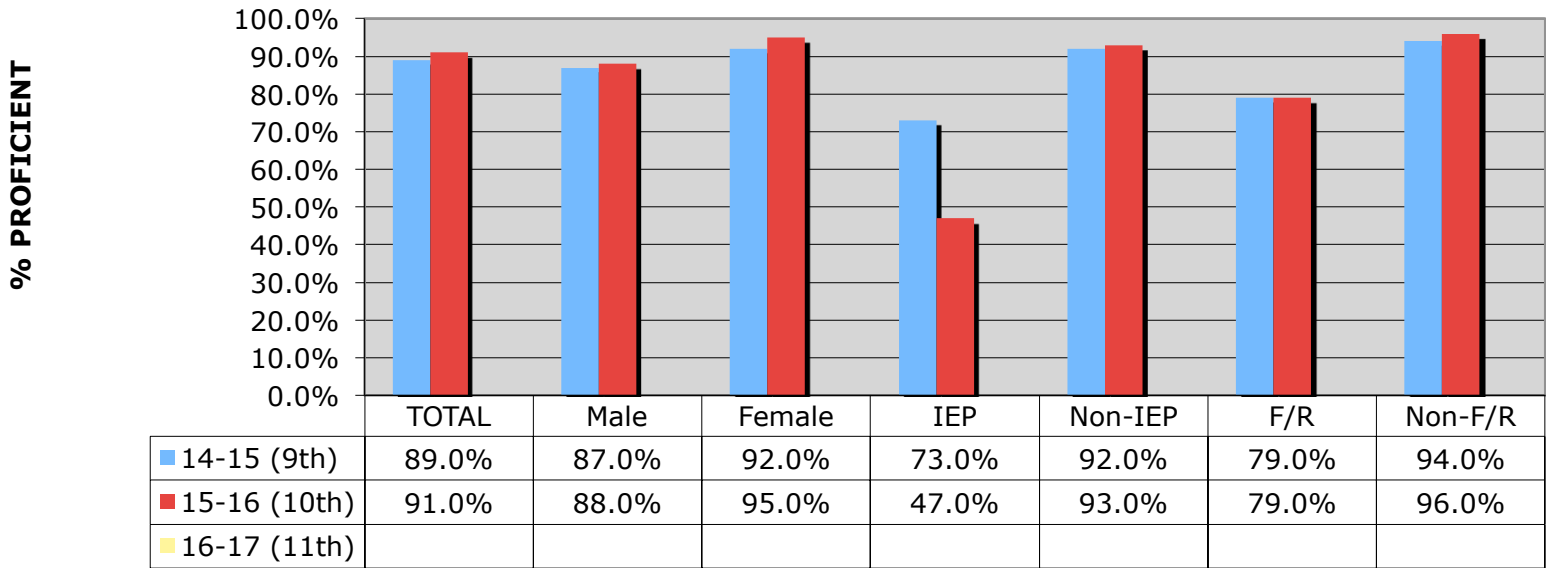
■ 13-14 (9th)

■ 14-15 (10th)

■ 15-16 (11th)

# Math Proficiency: Class of 2018

**Class of 2018: Math Proficiency**

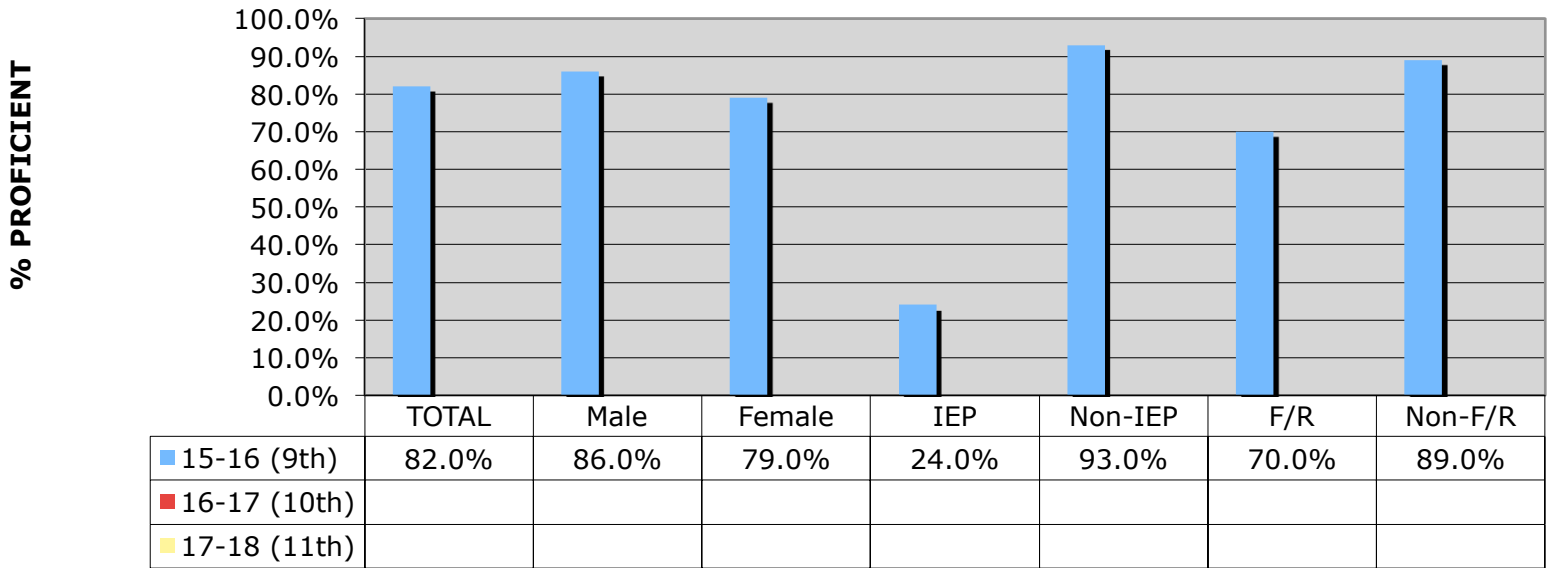


**SUBGROUP**

■ 14-15 (9th)     
 ■ 15-16 (10th)     
 ■ 16-17 (11th)

# Math Proficiency: Class of 2019

**Class of 2019: Math Proficiency**

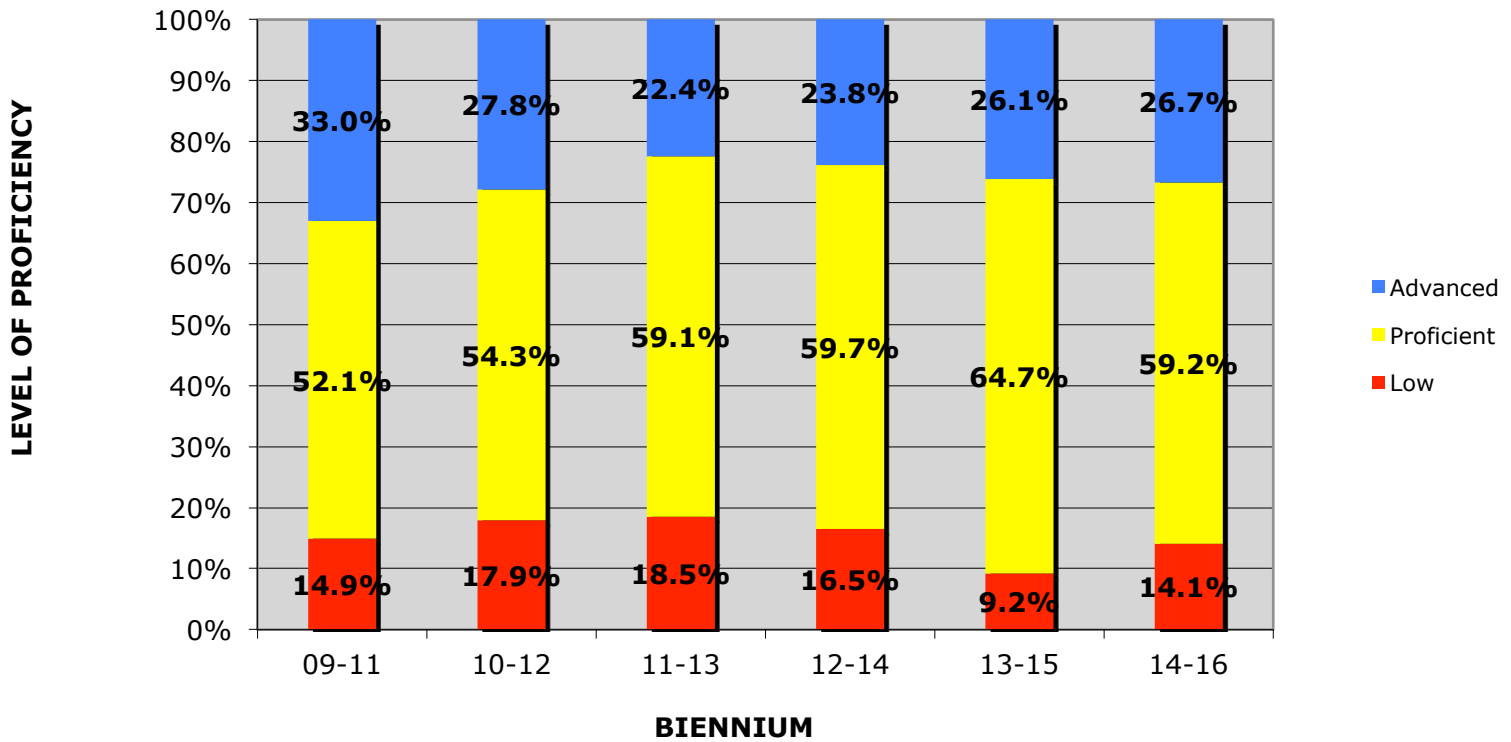


**SUBGROUP**

■ 15-16 (9th)     ■ 16-17 (10th)     ■ 17-18 (11th)

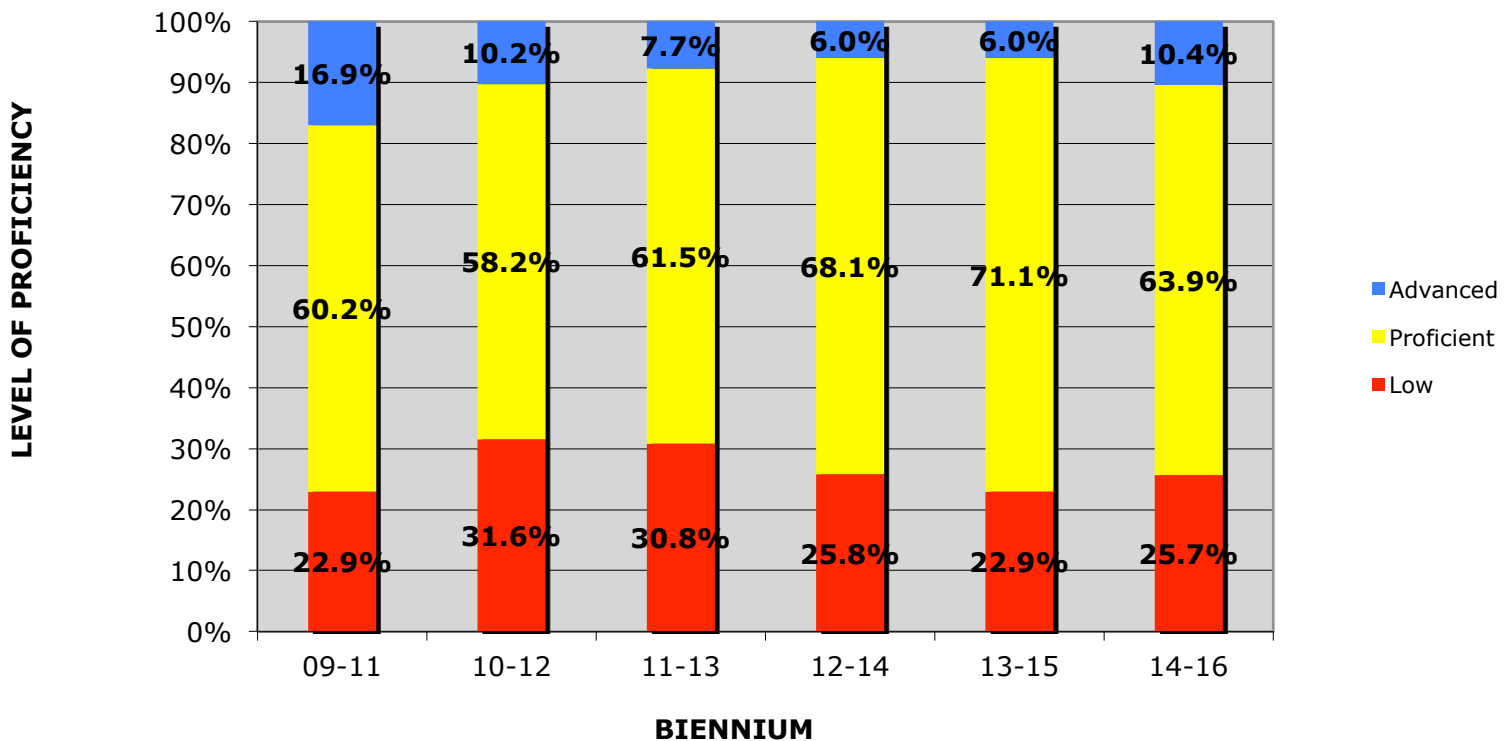
# 9<sup>th</sup> Math Biennium (ALL)

9th Grade Math: TOTAL (NPR)



# 9<sup>th</sup> Math Biennium (Low SES)

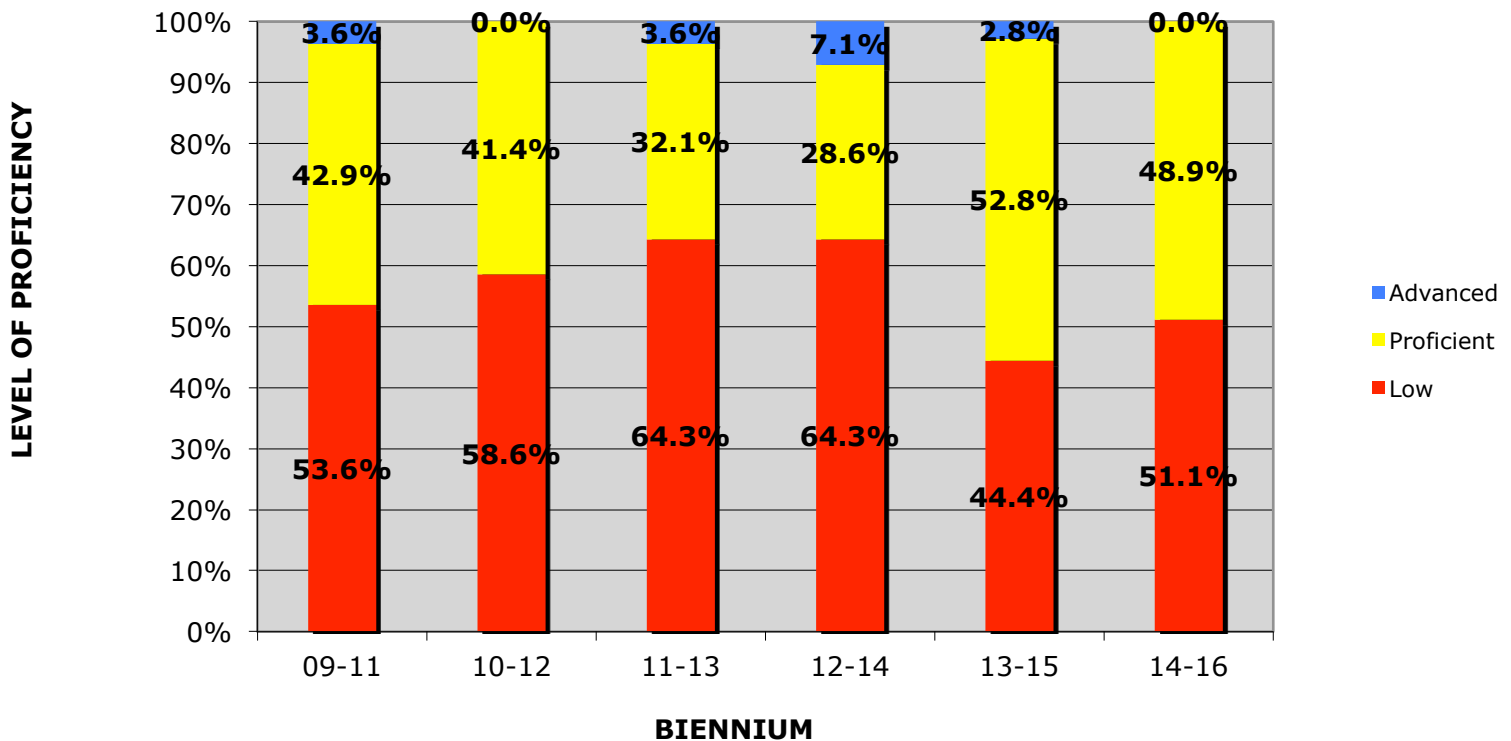
9th Grade Math: F/R (NPR)





# 9<sup>th</sup> Math Biennium (IEP)

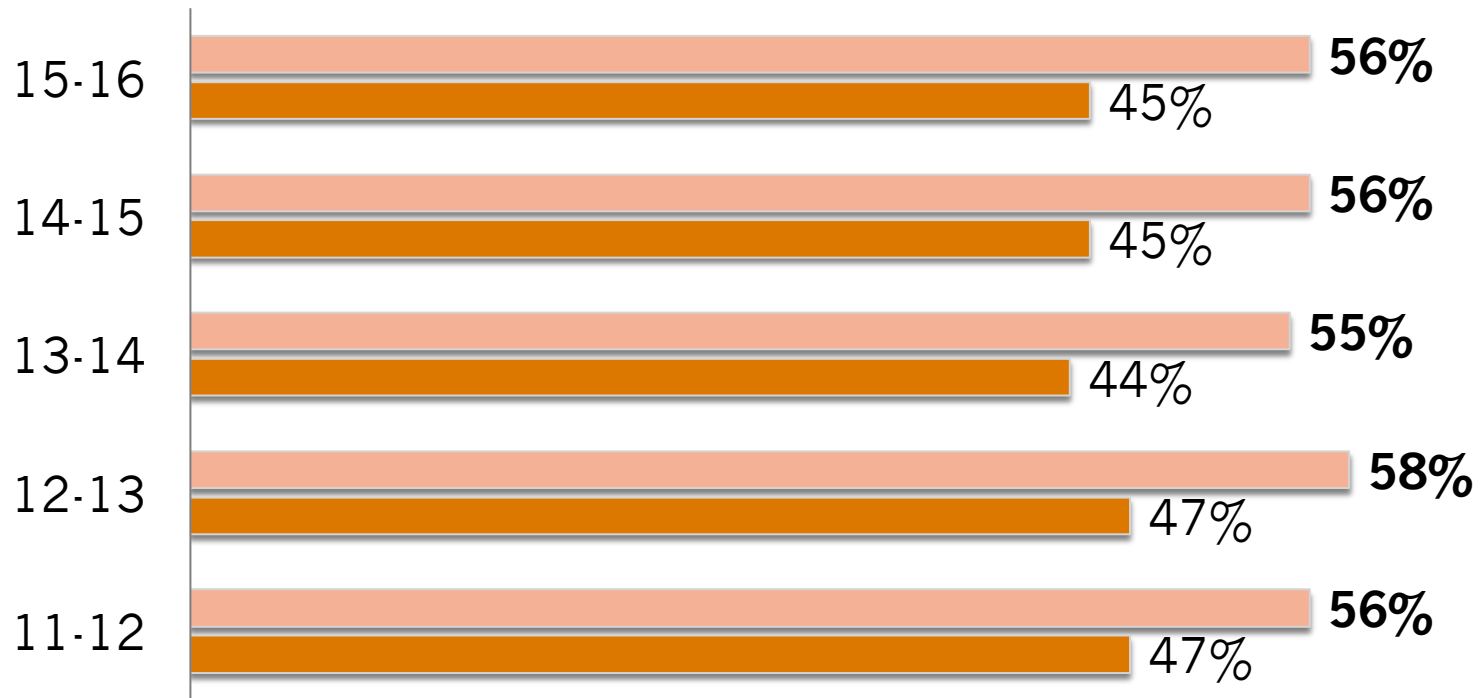
9th Grade Math: IEP (NPR)



# 9<sup>th</sup> Common Core Math: Number & Quantity

## 9th Math: Number & Quantity

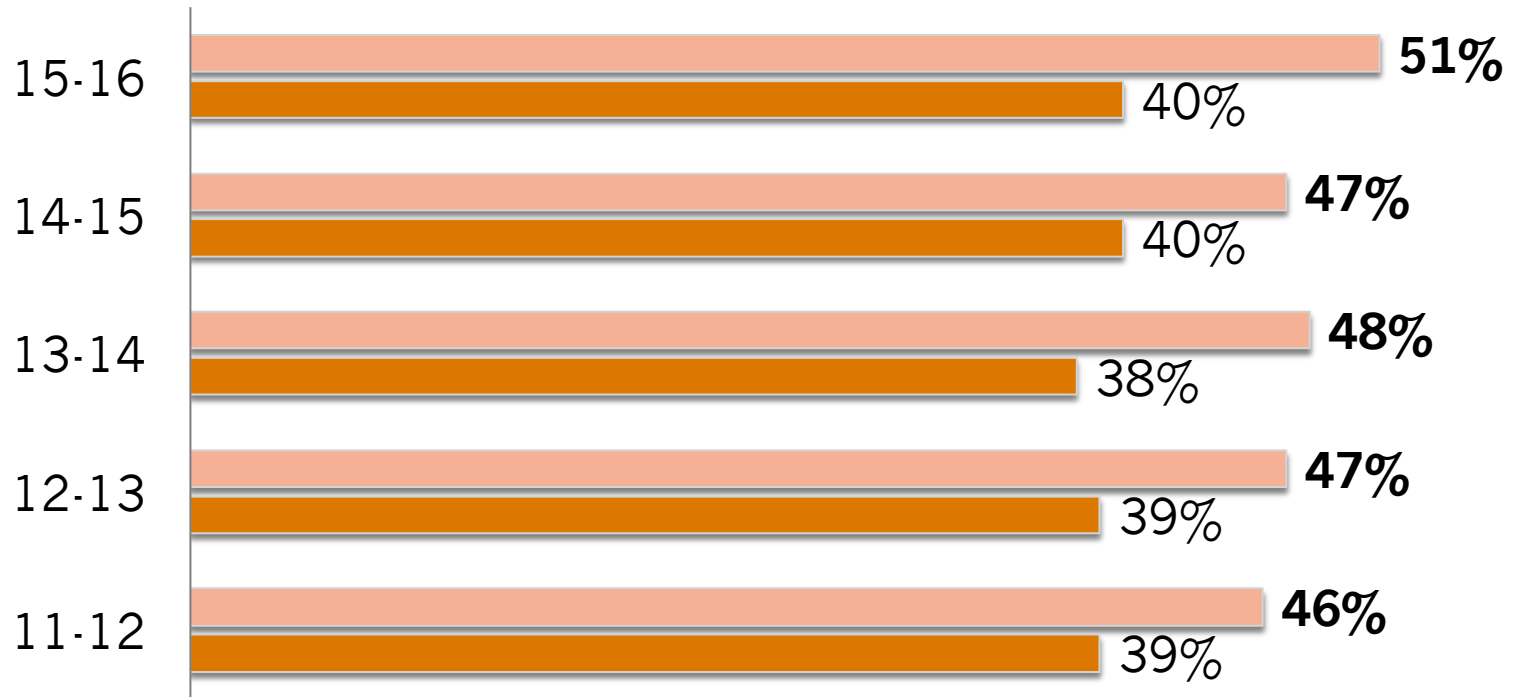
■ GHS % Correct   ■ Nat. % Correct



# 9<sup>th</sup> Common Core Math: Algebra

## 9th Math: Algebra

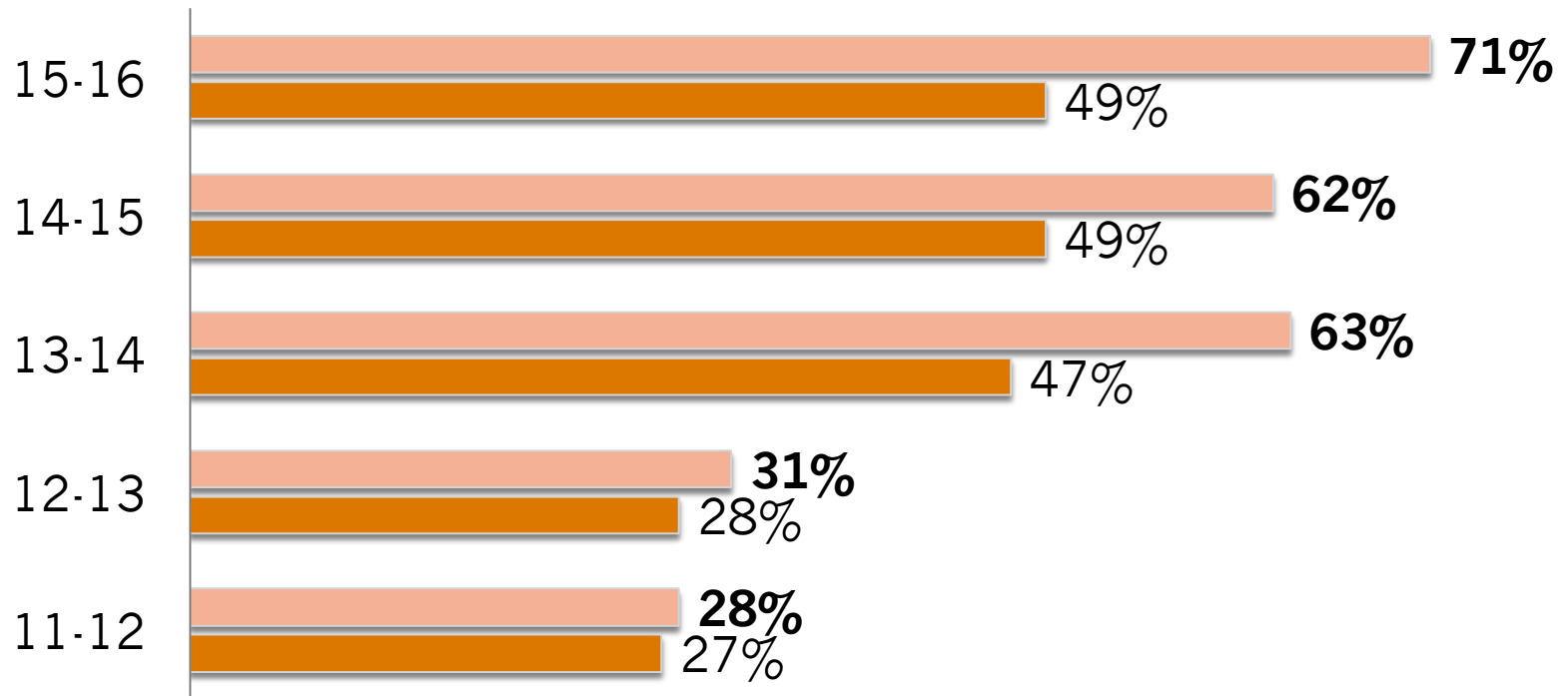
■ GHS % Correct   ■ Nat. % Correct



# 9<sup>th</sup> Common Core Math: Functions

## 9th Math: Functions

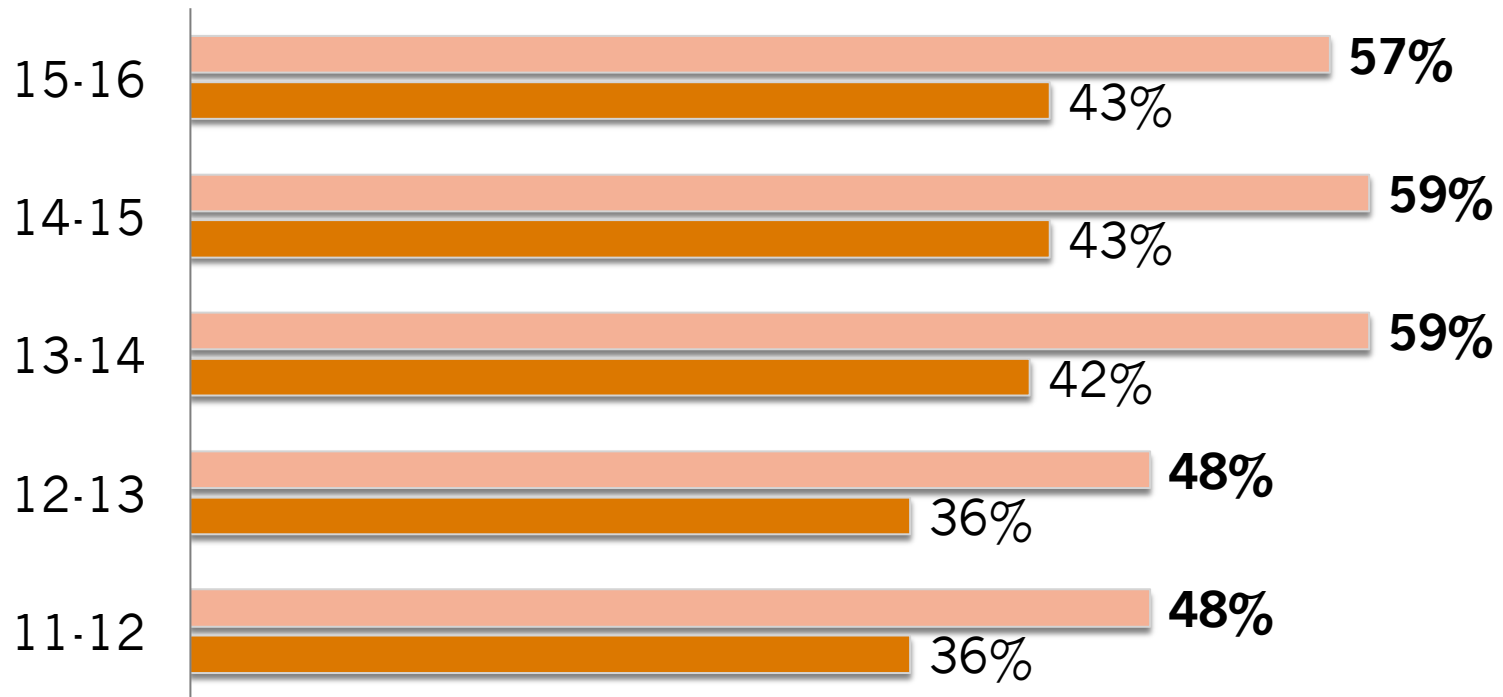
■ GHS % Correct   ■ Nat. % Correct



# 9<sup>th</sup> Common Core Math: Geometry

## 9th Math: Geometry

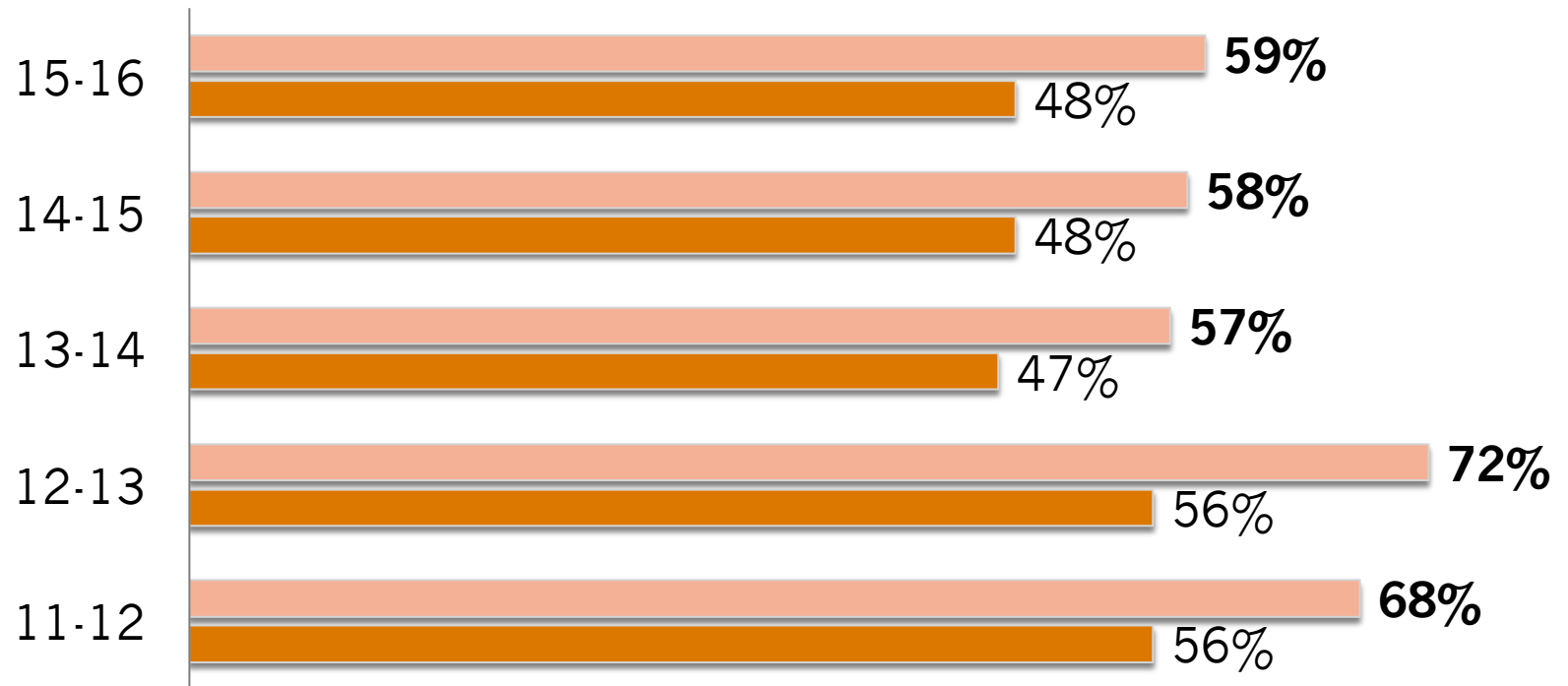
■ GHS % Correct   ■ Nat. % Correct



# 9<sup>th</sup> Common Core Math: Statistics & Probability

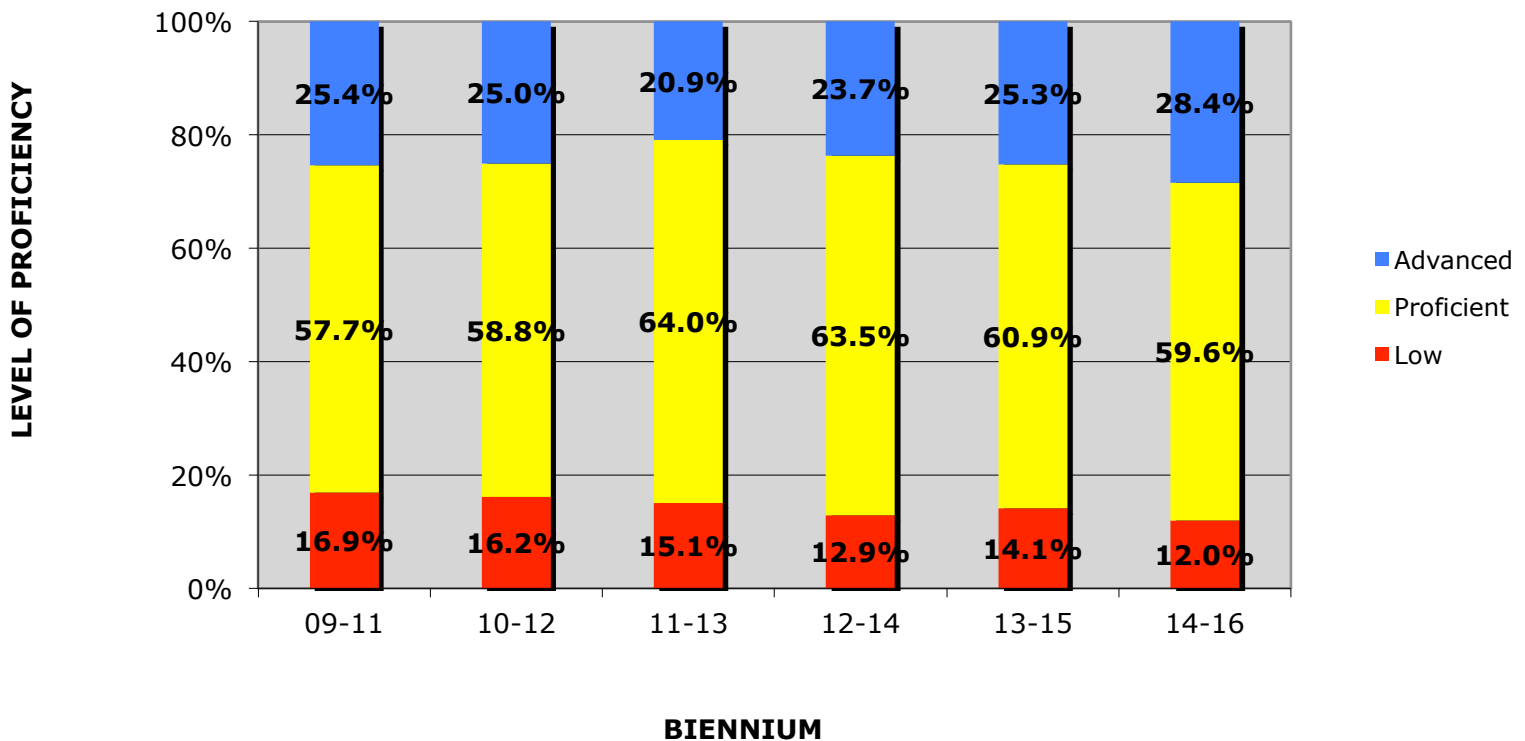
## 9th Math: Stats & Probability

■ GHS % Correct   ■ Nat. % Correct



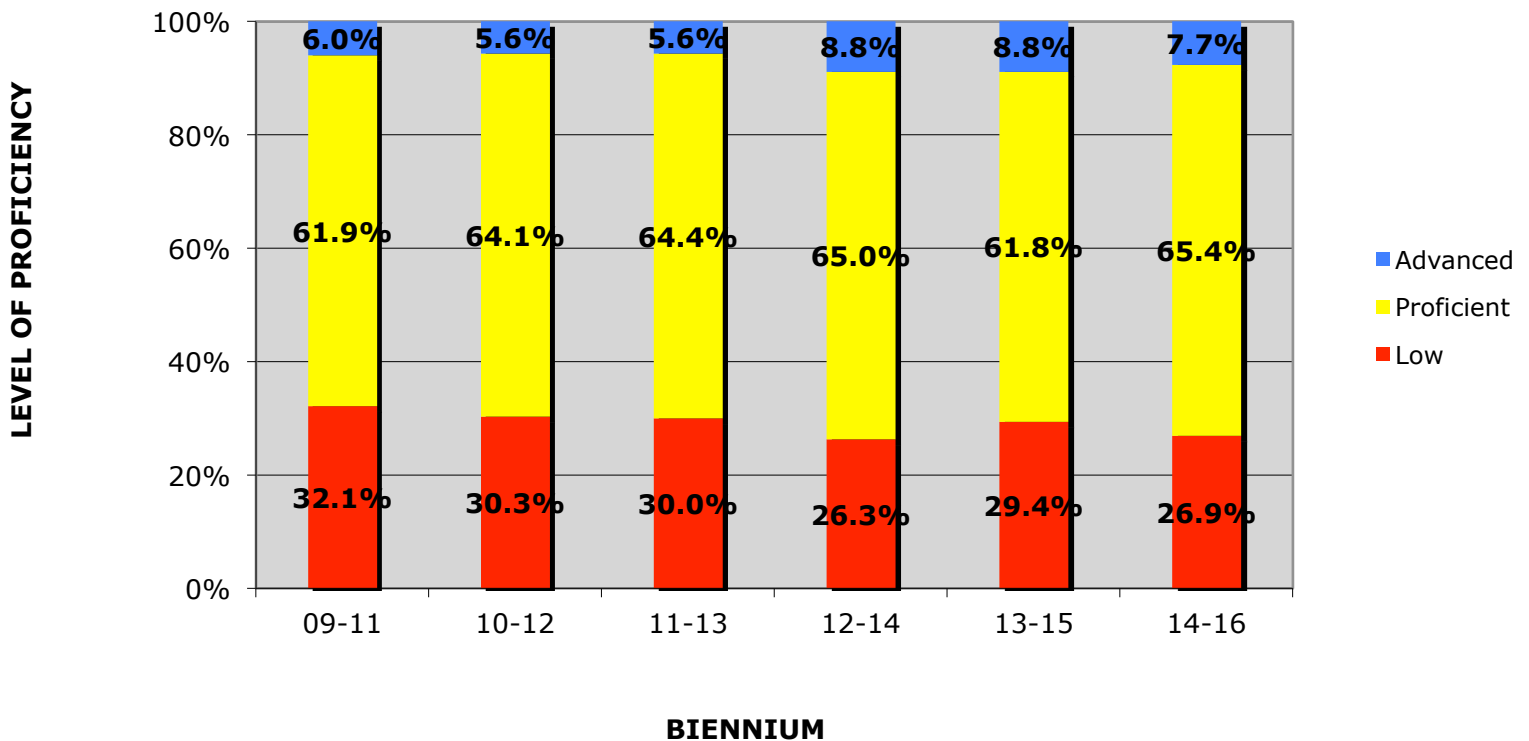
# 10<sup>th</sup> Math Biennium (ALL)

10th Grade Math: TOTAL (NPR)



# 10<sup>th</sup> Math Biennium (Low SES)

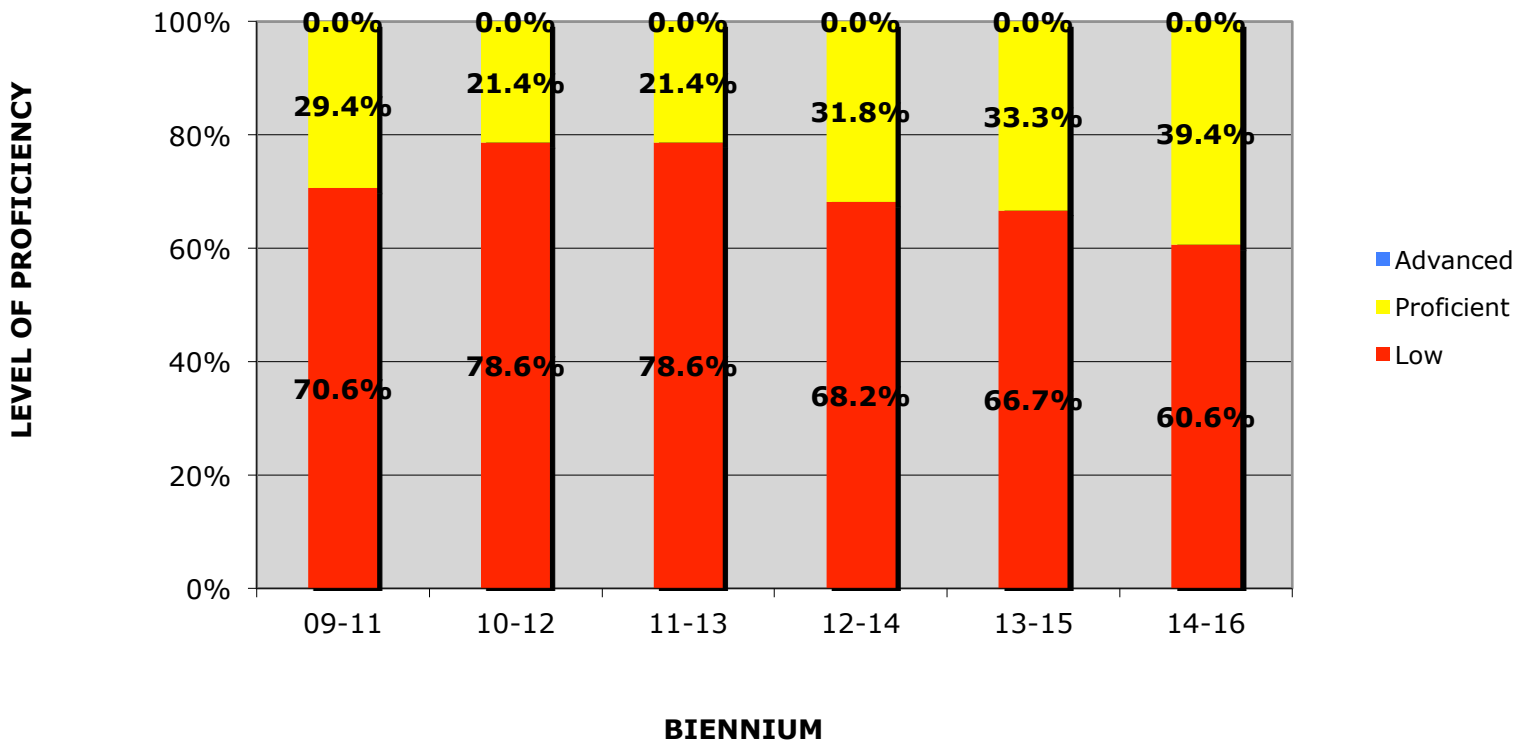
10th Grade Math: F/R (NPR)





# 10<sup>th</sup> Math Biennium (IEP)

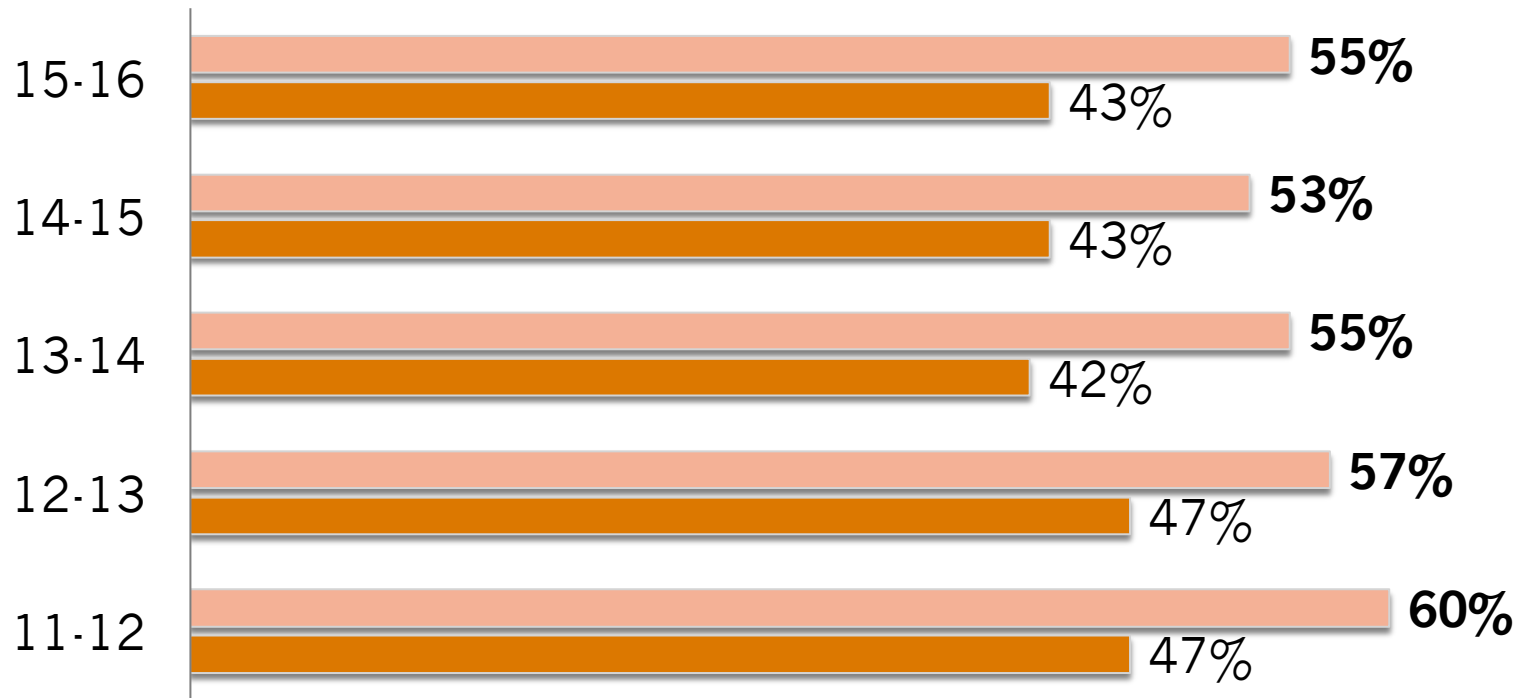
10th Grade Math: IEP (NPR)



# 10<sup>th</sup> Common Core Math: Number & Quantity

## 10th Math: Number & Quantity

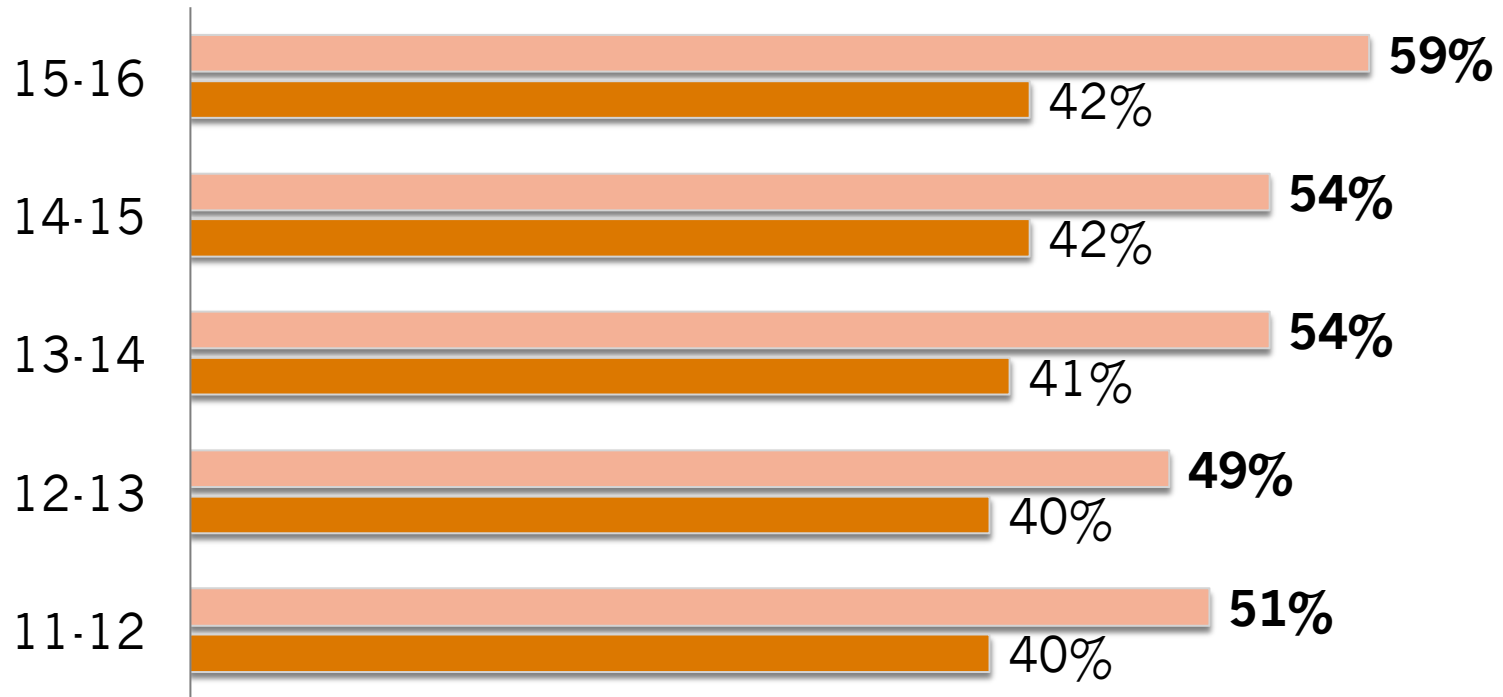
■ GHS % Correct   ■ Nat. % Correct



# 10<sup>th</sup> Common Core Math: Algebra

## 10th Math: Algebra

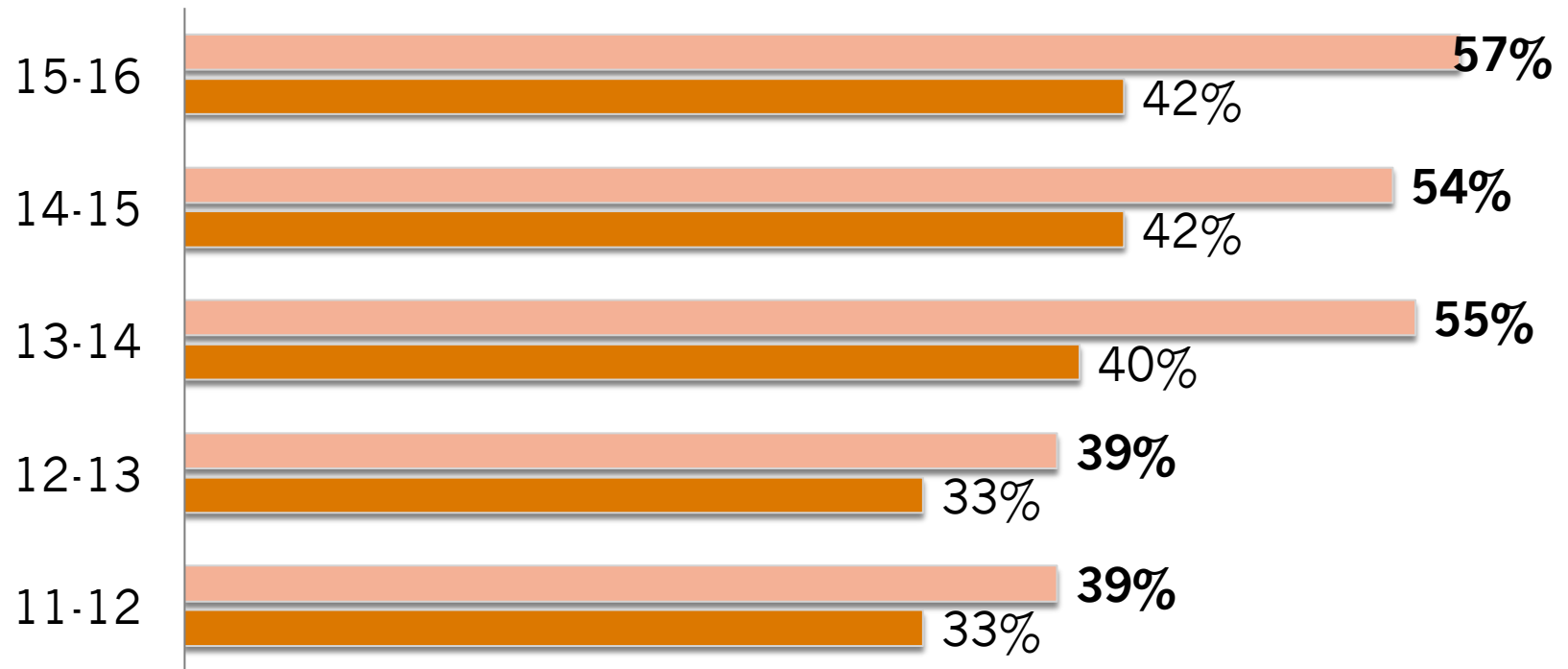
■ GHS % Correct   ■ Nat. % Correct



# 10<sup>th</sup> Common Core Math: Functions

## 10th Math: Functions

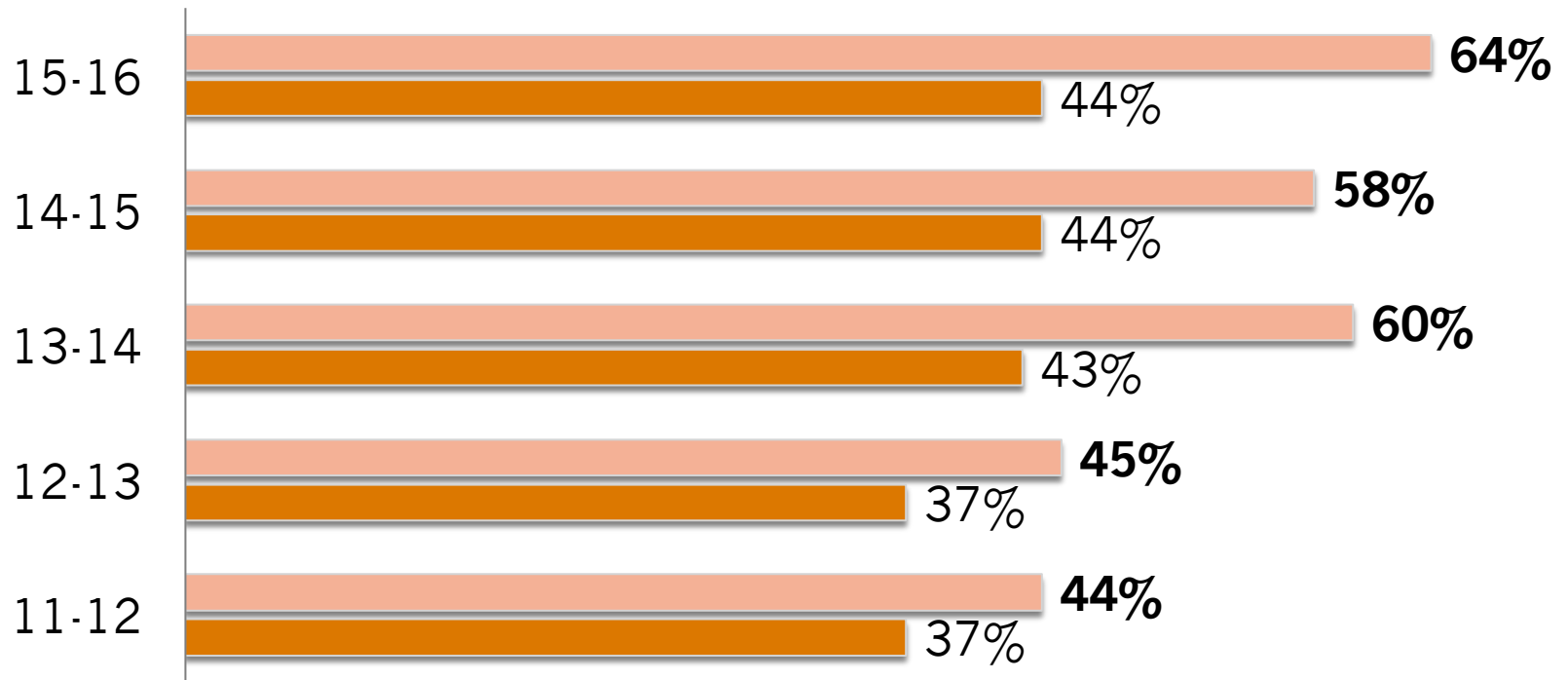
■ GHS % Correct   ■ Nat. % Correct



# 10<sup>th</sup> Math Common Core: Geometry

## 10th Math: Geometry

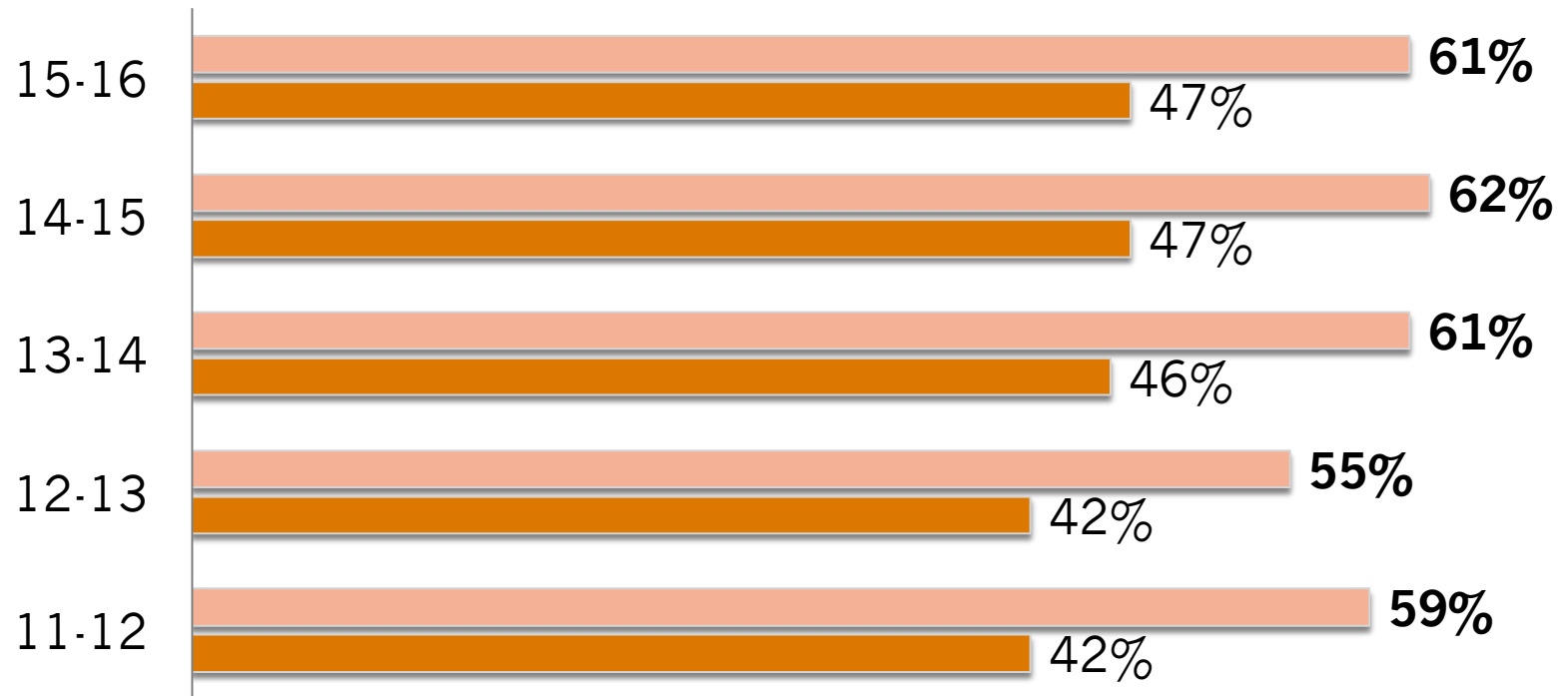
■ GHS % Correct   ■ Nat. % Correct



# 10<sup>th</sup> Math Common Core: Statistics & Probability

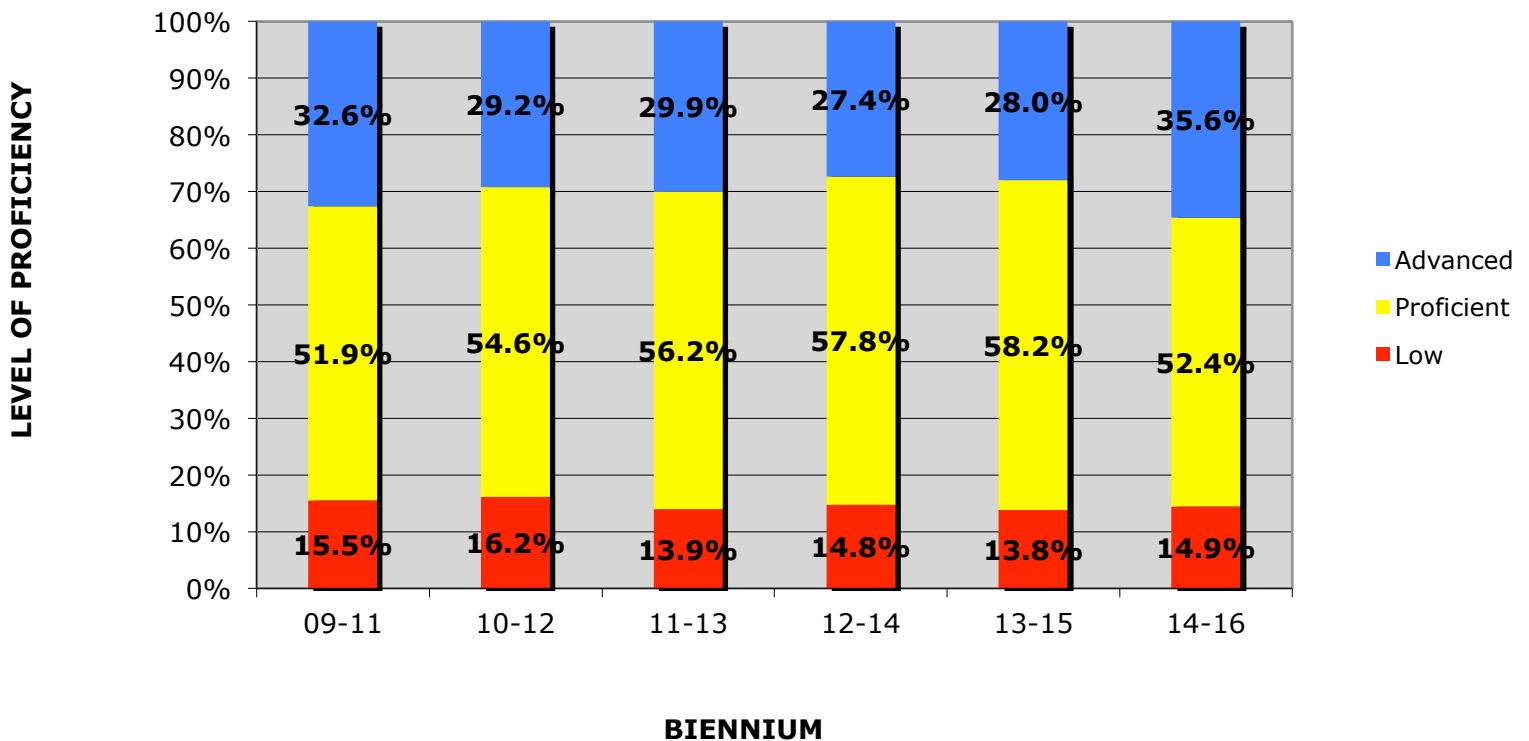
## 10th Math: Stats & Probability

■ GHS % Correct   ■ Nat. % Correct



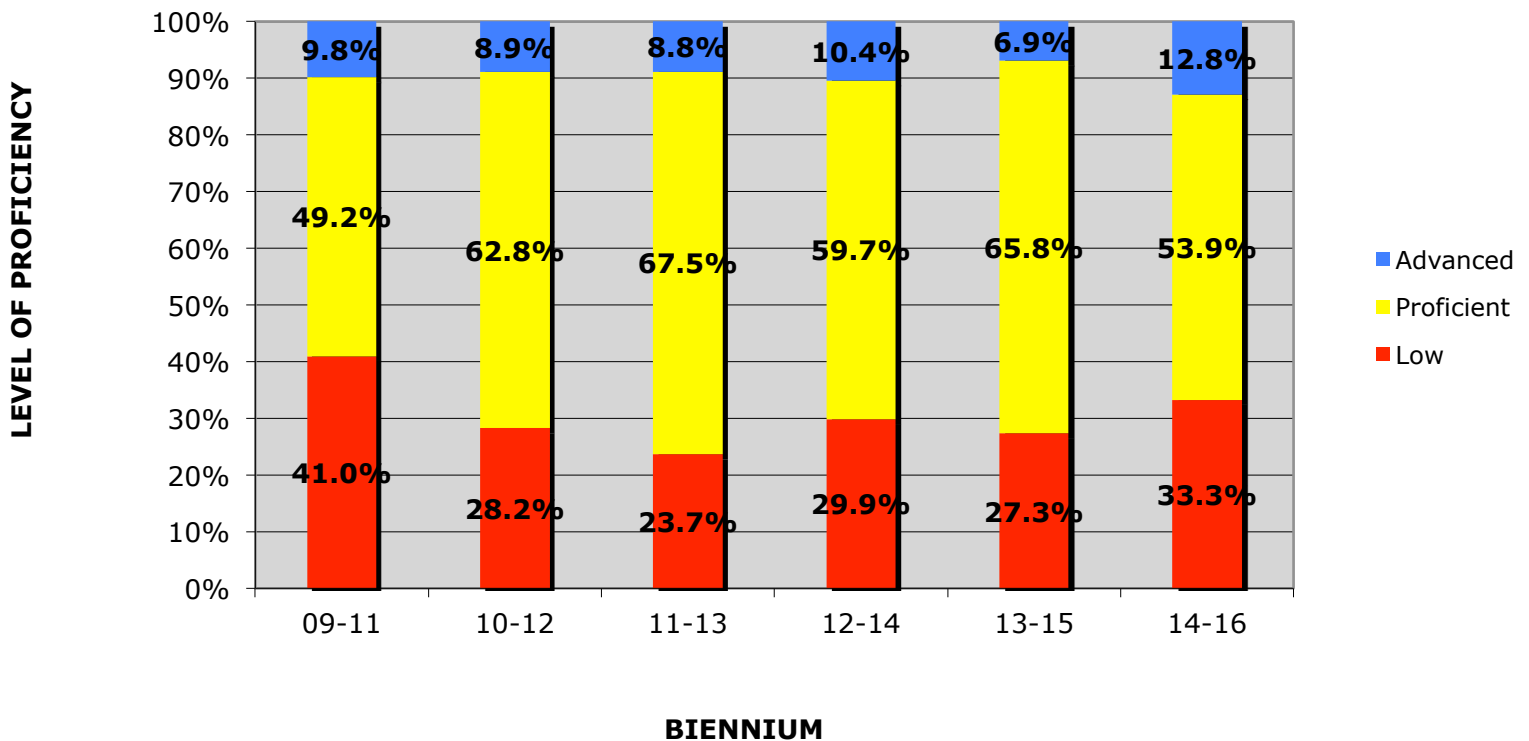
# 11<sup>th</sup> Math Biennium (ALL)

11th Grade Math: TOTAL (NPR)



# 11<sup>th</sup> Math Biennium (Low SES)

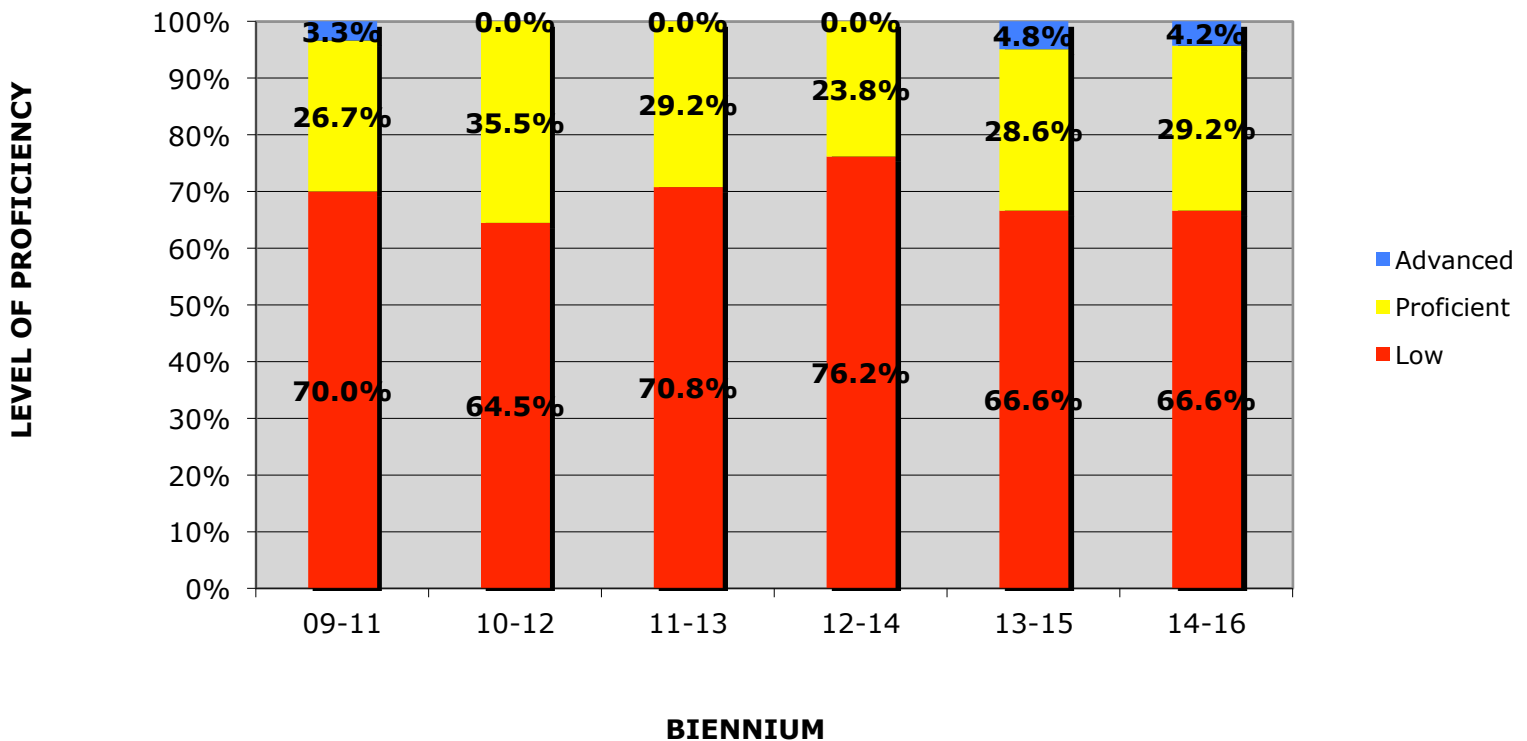
11th Grade Math: F/R (NPR)





# 11<sup>th</sup> Math Biennium (IEP)

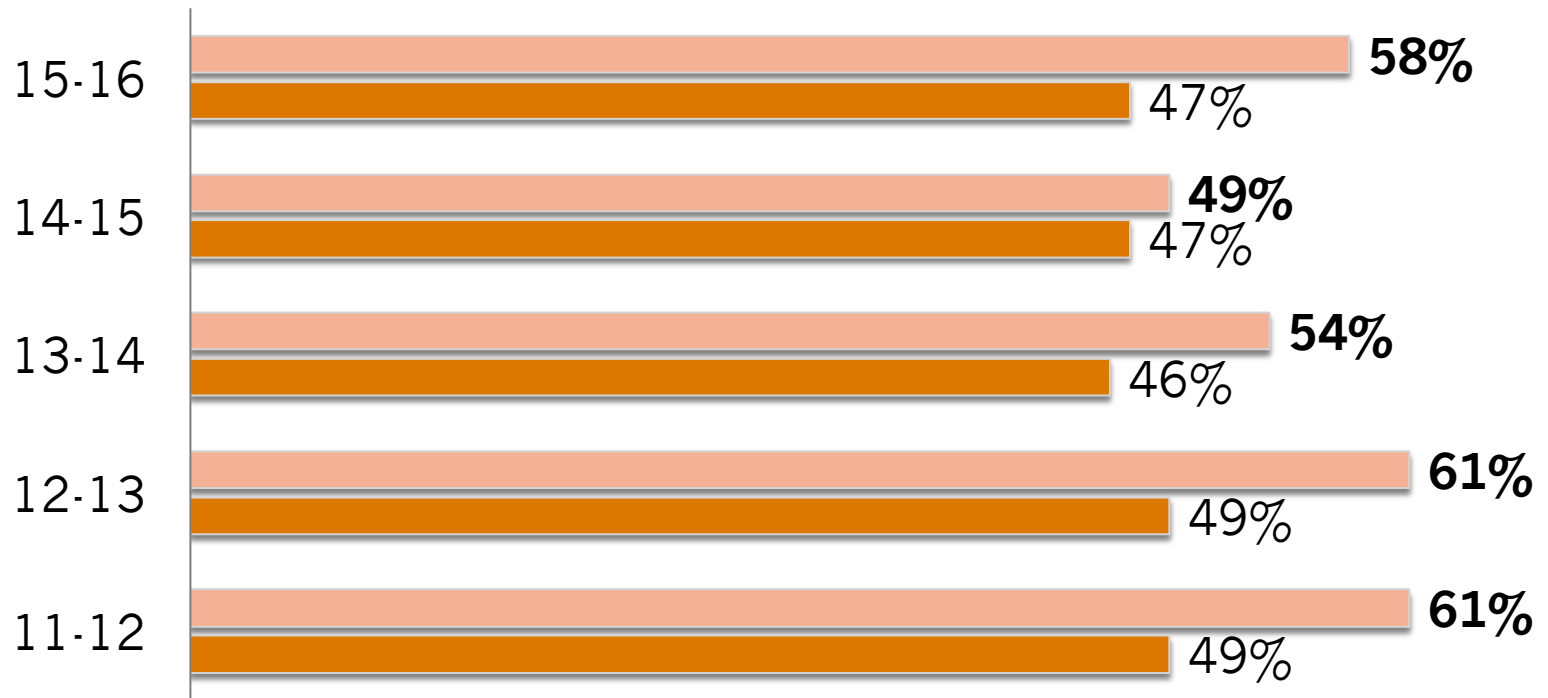
11th Grade Math: IEP (NPR)



# 11<sup>th</sup> Math Common Core: Number & Quantity

## 11th Math: Number & Quantity

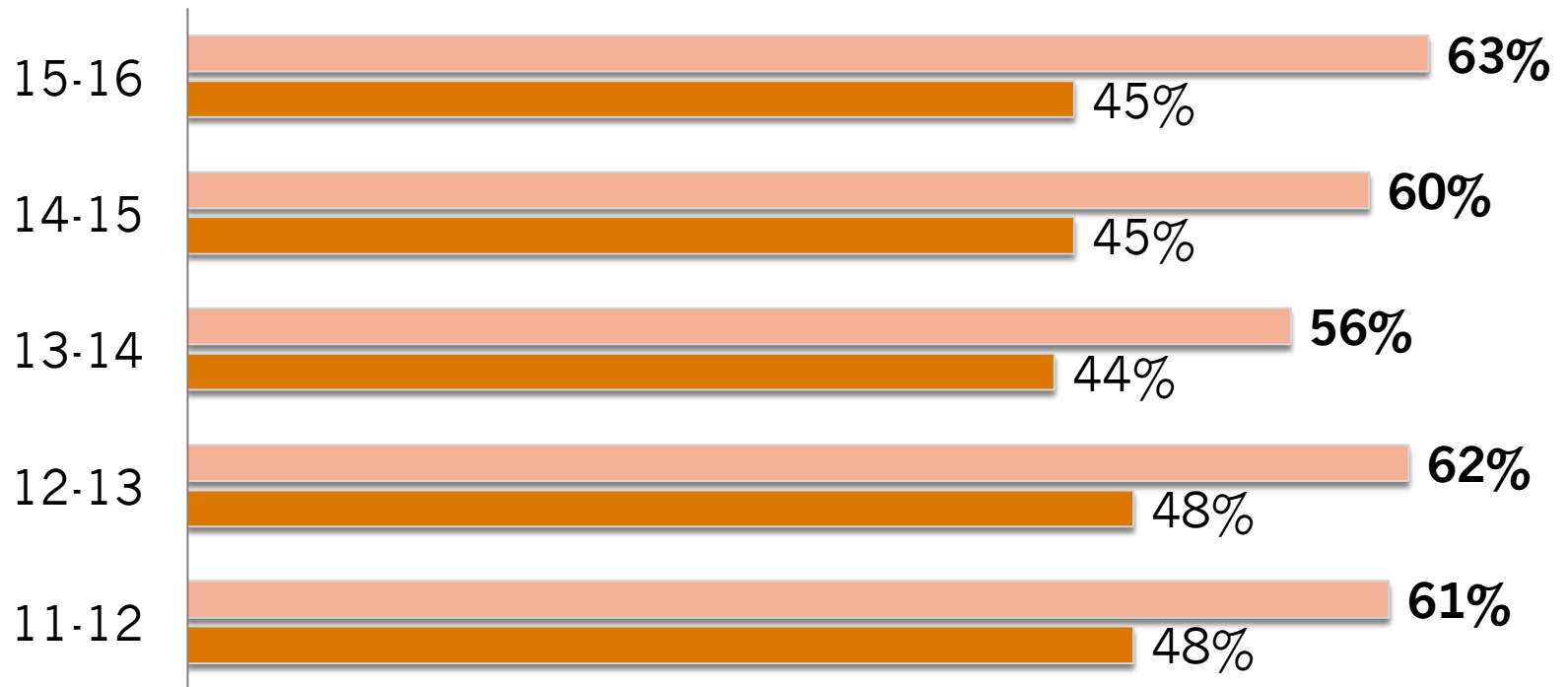
■ GHS % Correct   ■ Nat. % Correct



# 11<sup>th</sup> Math Common Core: Algebra

## 11th Math: Algebra

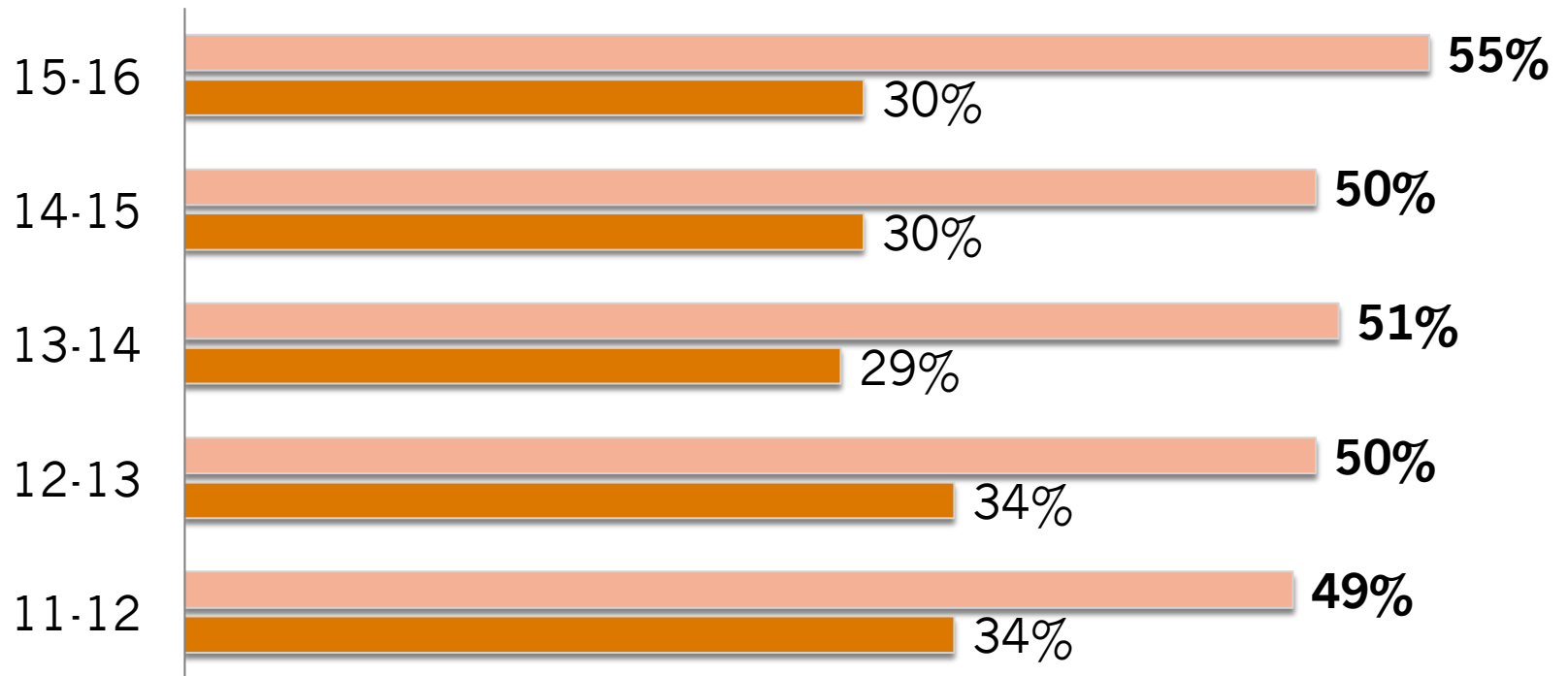
■ GHS % Correct   ■ Nat. % Correct



# 11<sup>th</sup> Math Common Core: Functions

## 11th Math: Functions

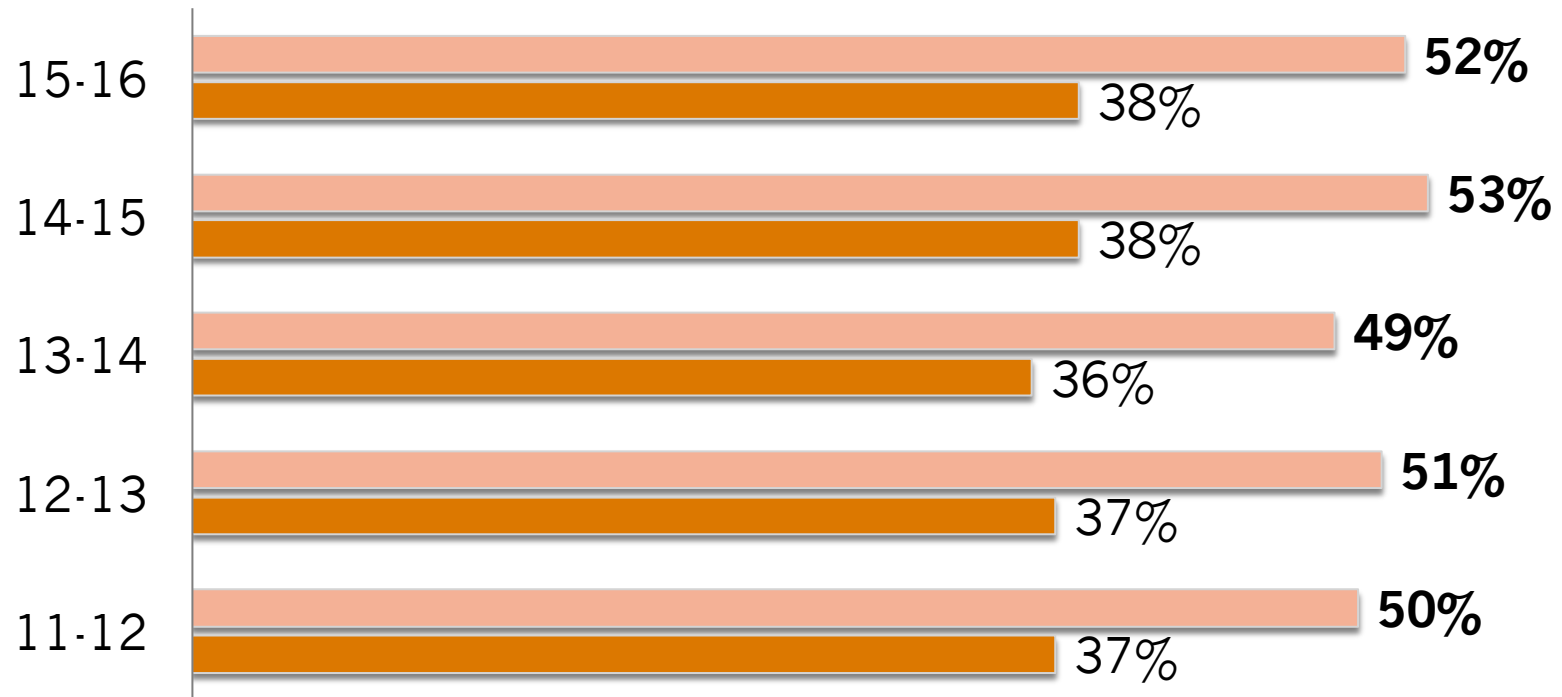
■ GHS % Correct   ■ Nat. % Correct



# 11<sup>th</sup> Math Common Core: Geometry

## 11th Math: Geometry

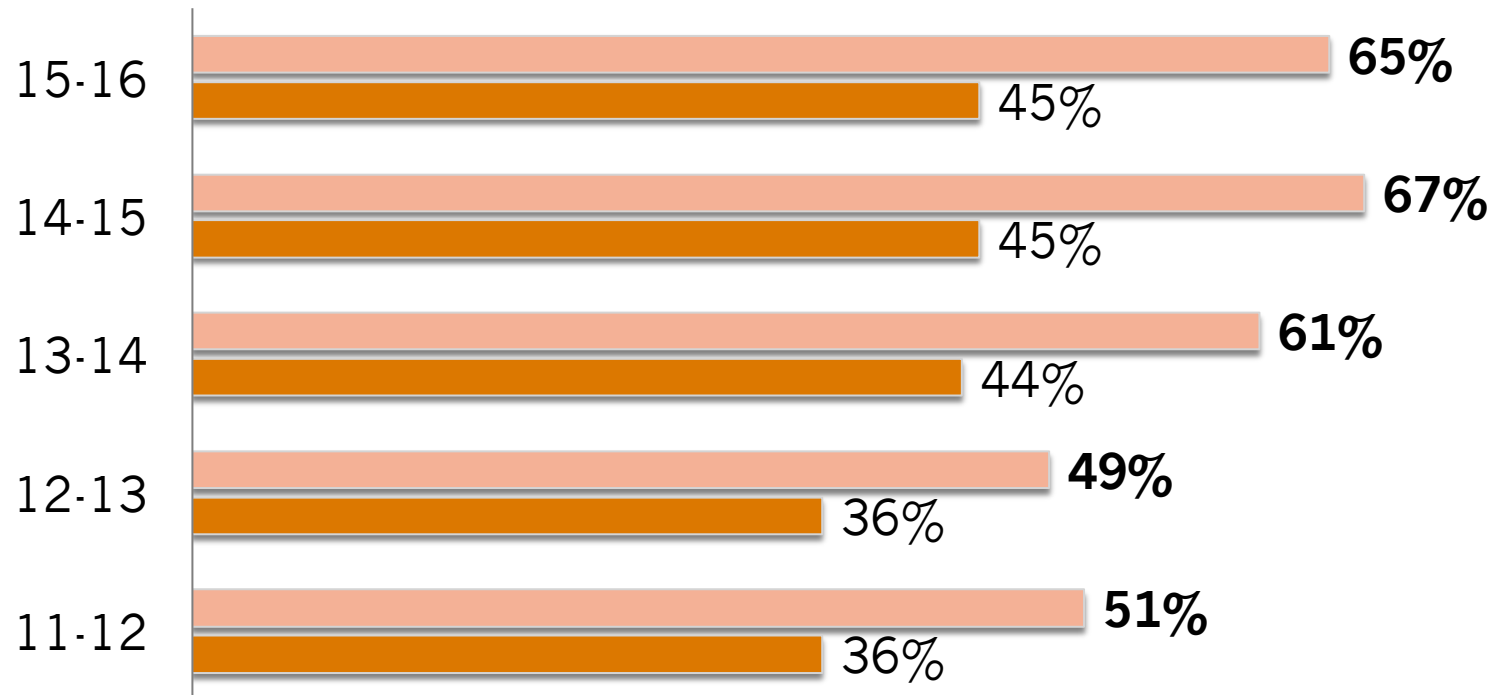
■ GHS % Correct   ■ Nat. % Correct



# 11<sup>th</sup> Math Common Core: Statistics & Probability

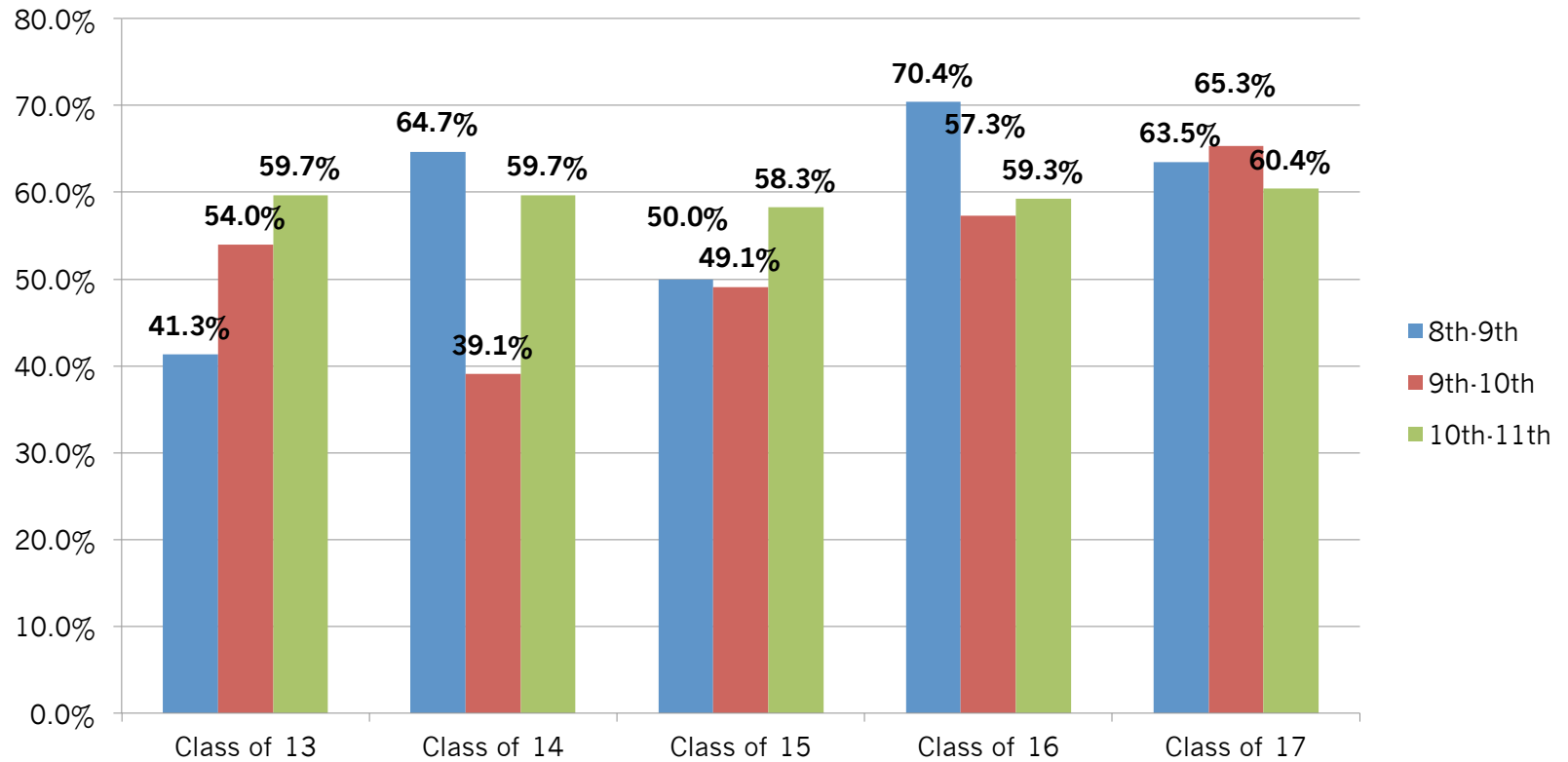
## 11th Math: Stats & Probability

■ GHS % Correct   ■ Nat. % Correct



# Math: Exceeding NSS Growth

**Math: % of Students Exceeding Typical NSS Growth (as FAY Juniors)**



# GHS Science Data (AIG)

<b>9<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded NSS Growth</b>	<b>Avg. NSS Growth</b>
120 (FAY Students)	65.0%	51.2%	11.3 Points

<b>10<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded NSS Growth</b>	<b>Avg. NSS Growth</b>
133 (FAY Students)	59.4%	46.6%	4.0 Points

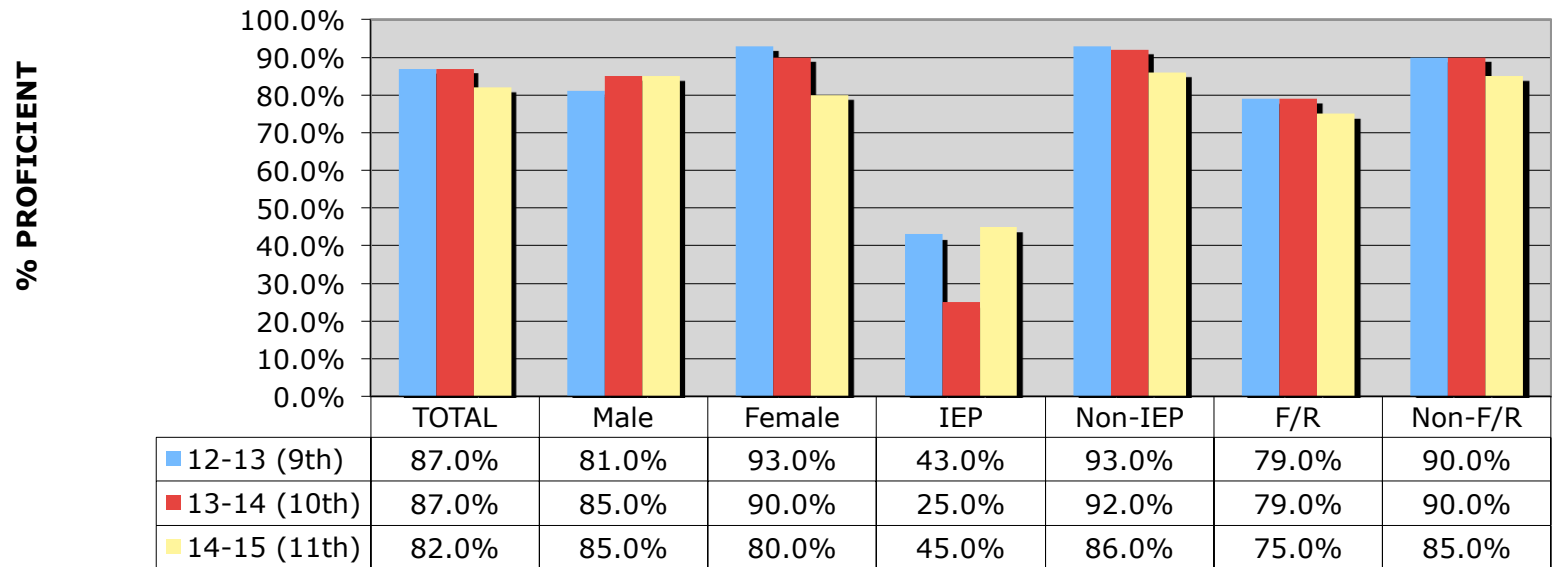
  

<b>11<sup>th</sup> Grade (15-16)</b>	<b>Improved NSS</b>	<b>Met/Exceeded NSS Growth</b>	<b>Avg. NSS Growth</b>
107 (FAY Students)	64.6%	52.1%	8.6 Points



# Science Proficiency: Class of 2016

**Class of 2016: Science Proficiency**

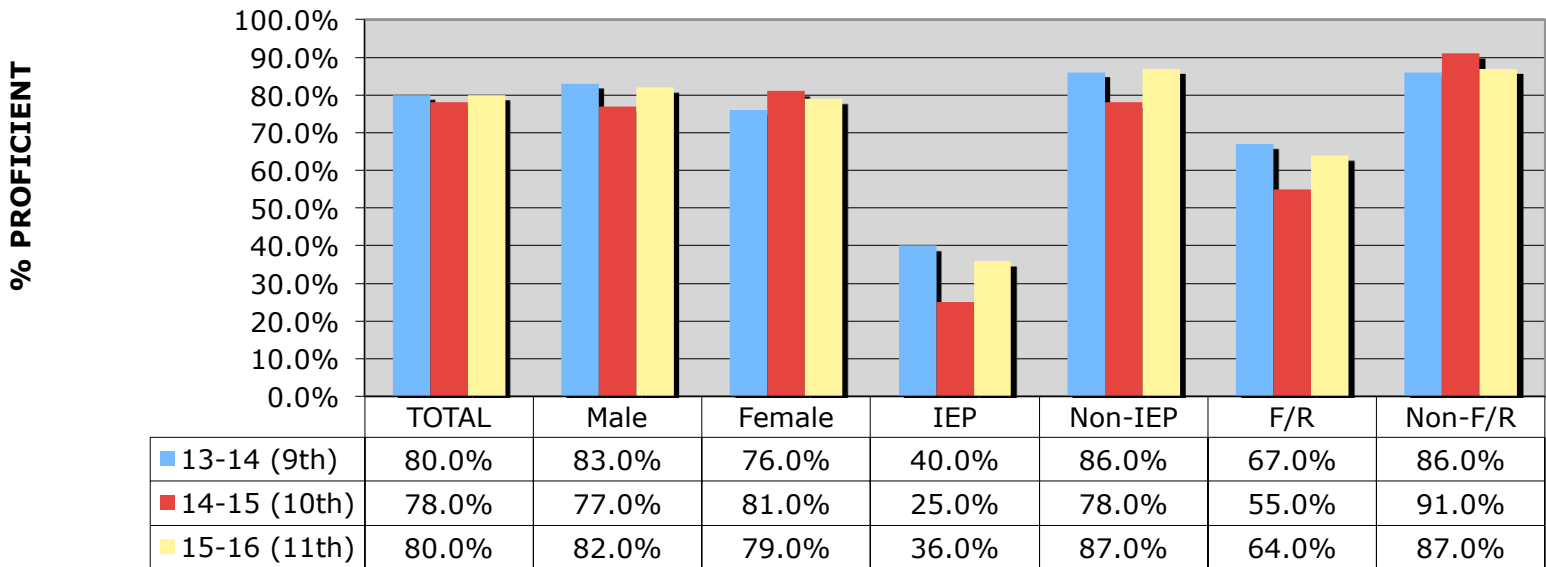


**SUBGROUP**

■ 12-13 (9th)     
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# Science Proficiency: Class of 2017

**Class of 2017: Science Proficiency**

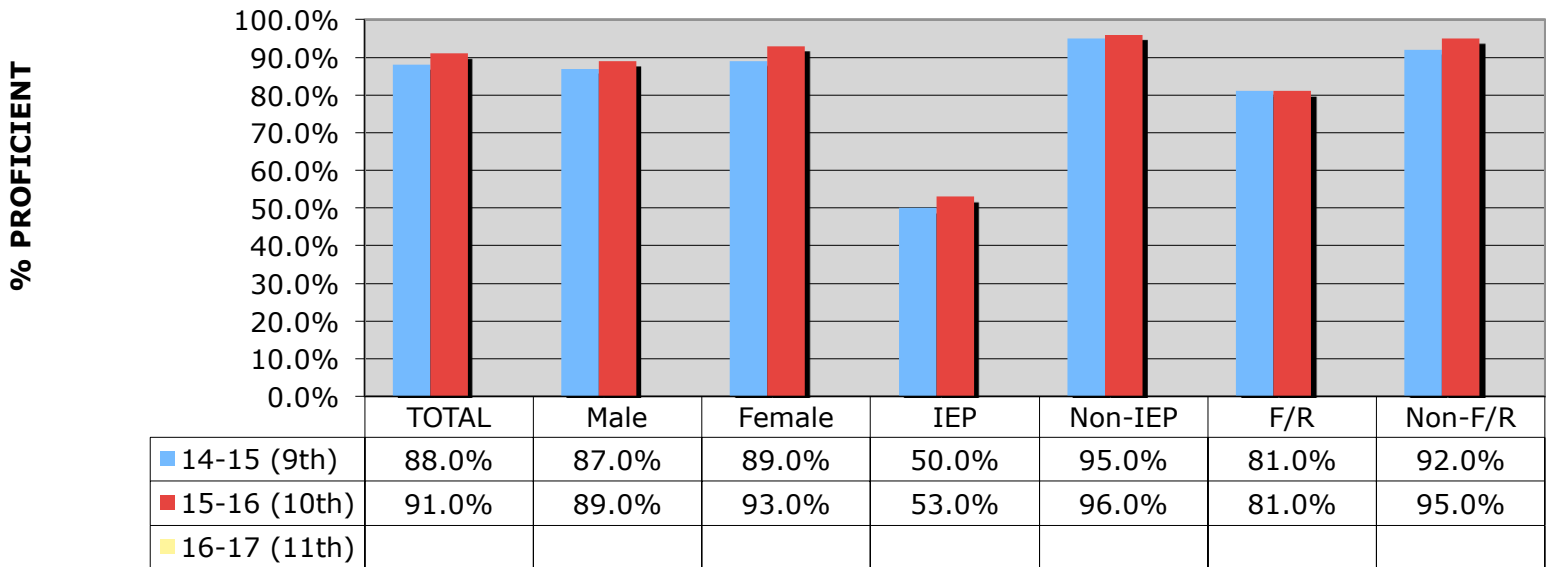


**SUBGROUP**

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# Science Proficiency: Class of 2018

**Class of 2018: Science Proficiency**



**SUBGROUP**

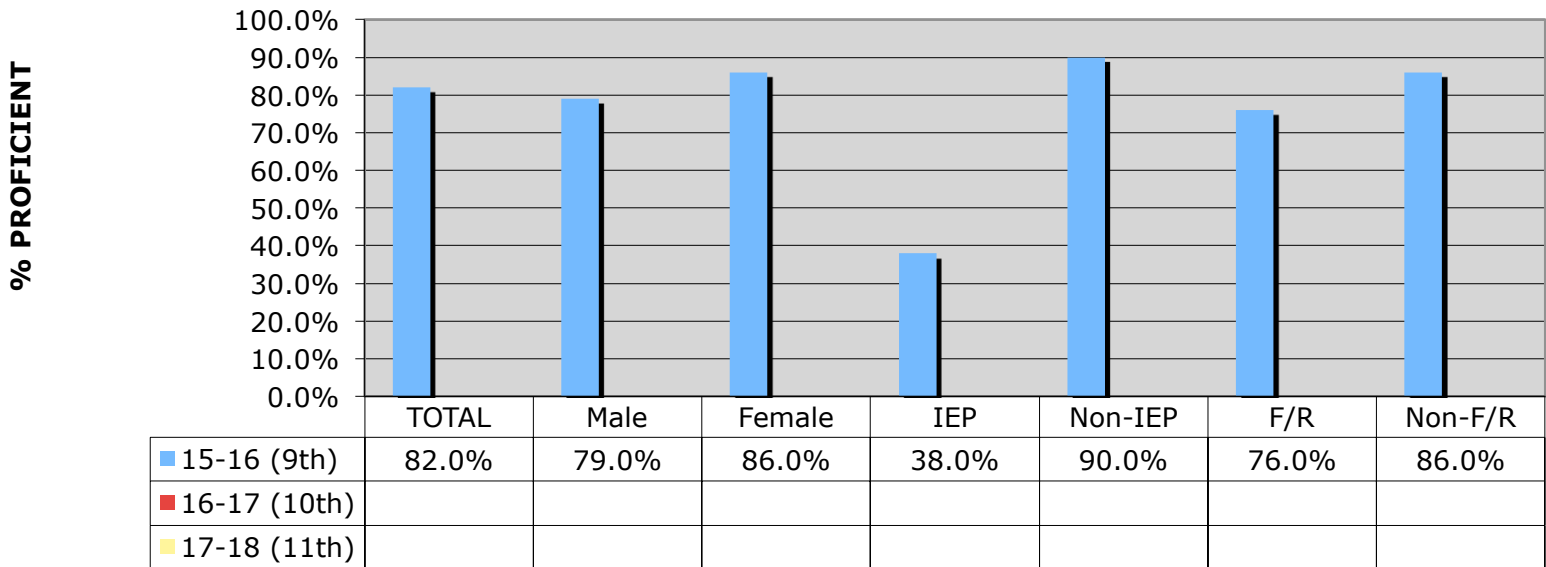
■ 14-15 (9th)

■ 15-16 (10th)

■ 16-17 (11th)

# Science Proficiency: Class of 2019

**Class of 2019: Science Proficiency**



**SUBGROUP**

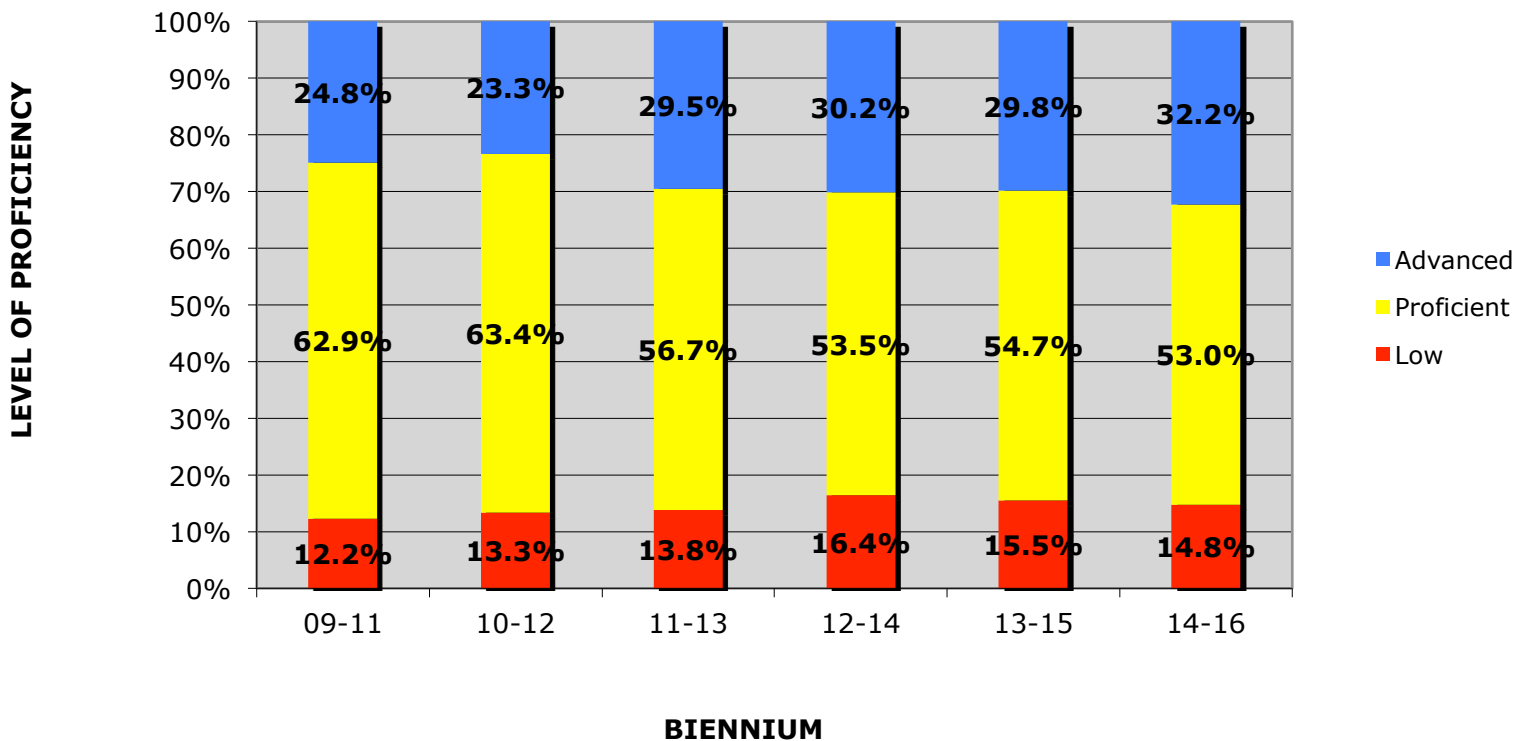
■ 15-16 (9th)

■ 16-17 (10th)

■ 17-18 (11th)

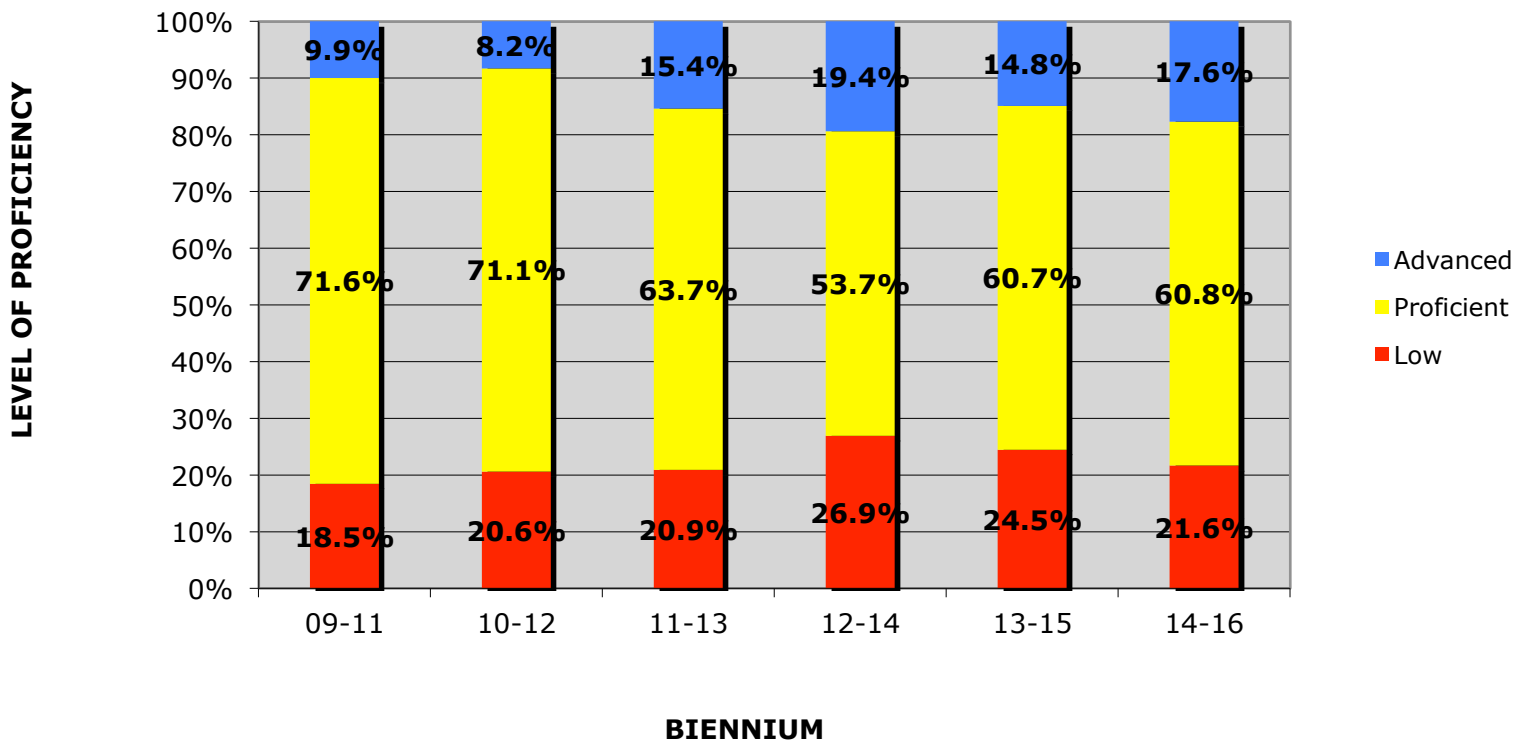
# 9<sup>th</sup> Science Biennium (ALL)

9th Grade Science: TOTAL (NPR)



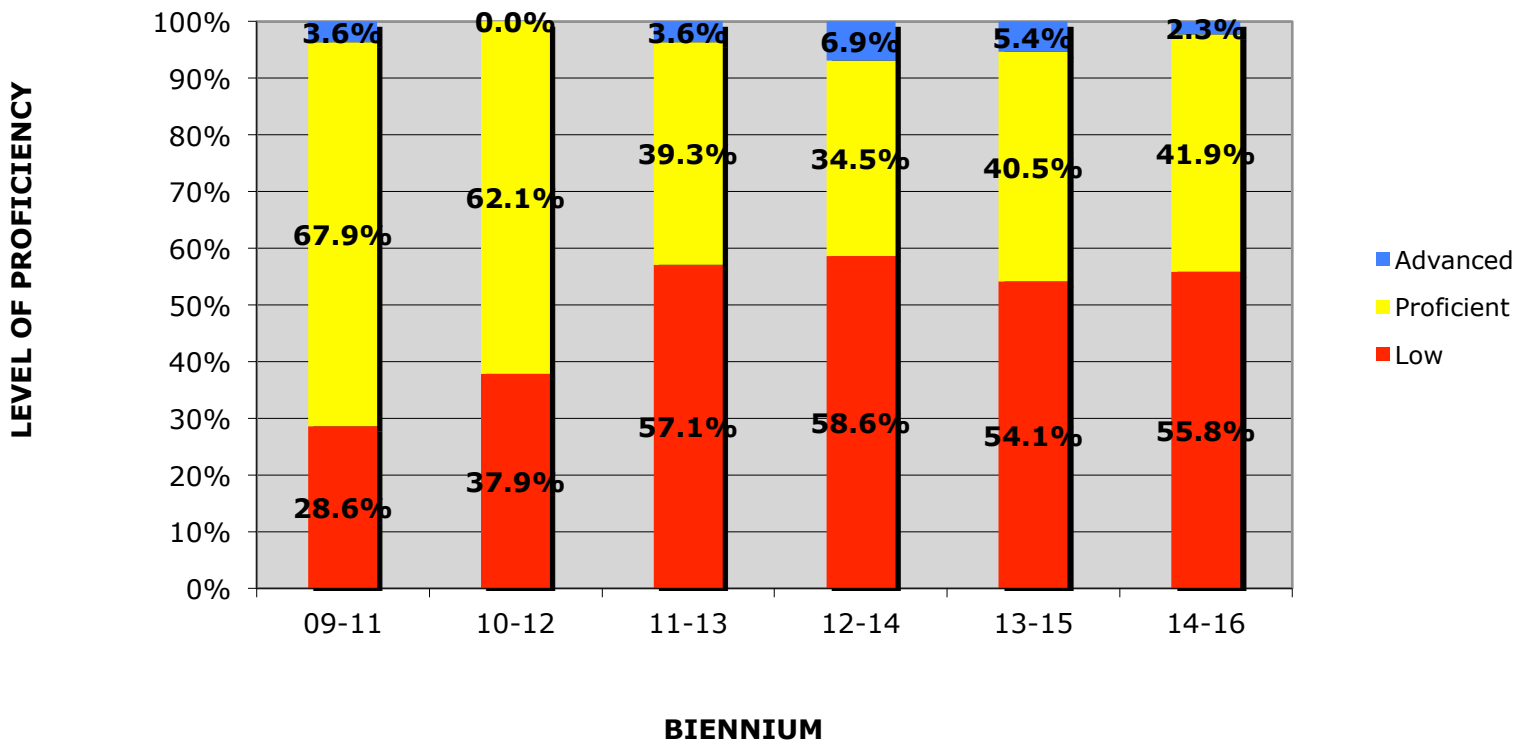
# 9<sup>th</sup> Science Biennium (Low SES)

9th Grade Science: F/R (NPR)



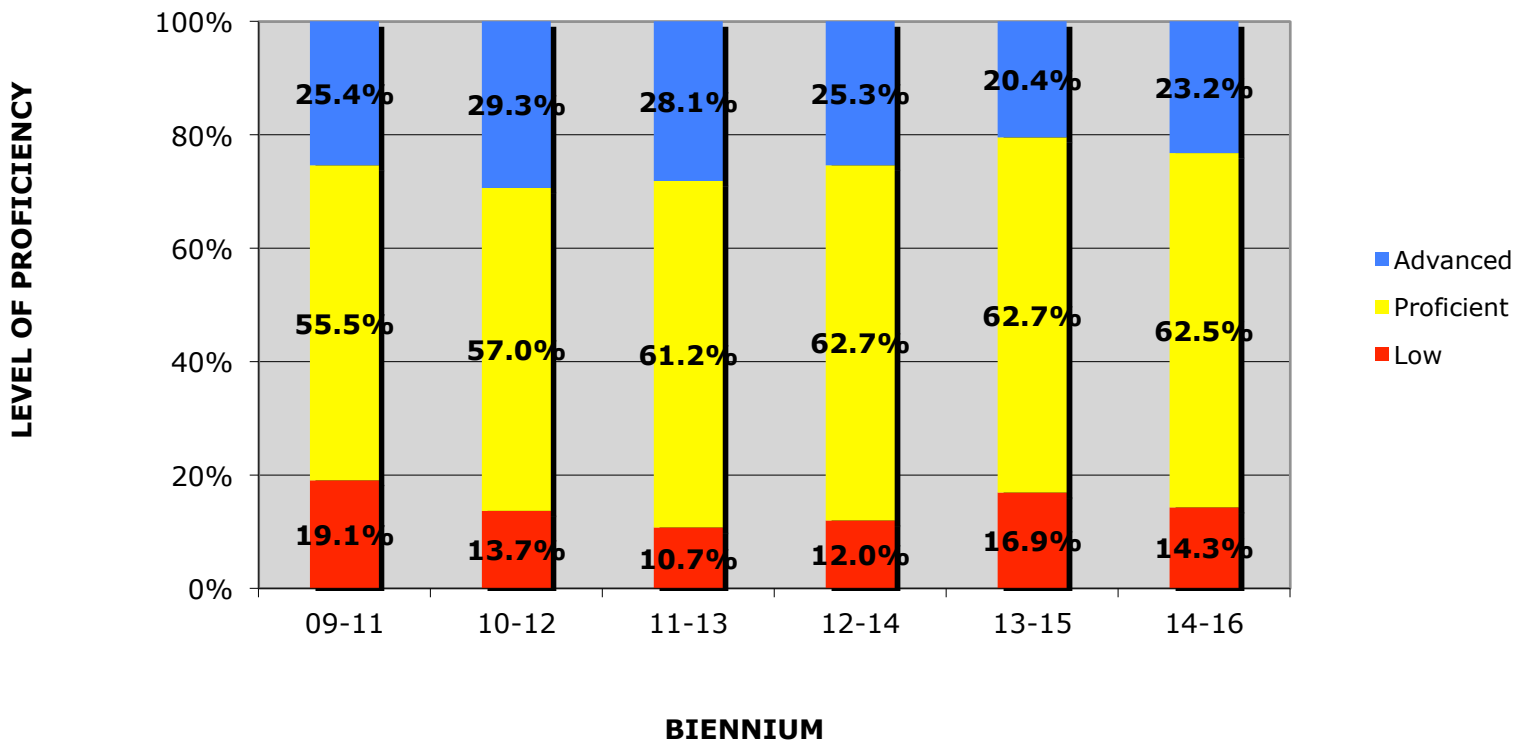
# 9<sup>th</sup> Science Biennium (IEP)

9th Grade Science: IEP (NPR)



# 10<sup>th</sup> Science Biennium (ALL)

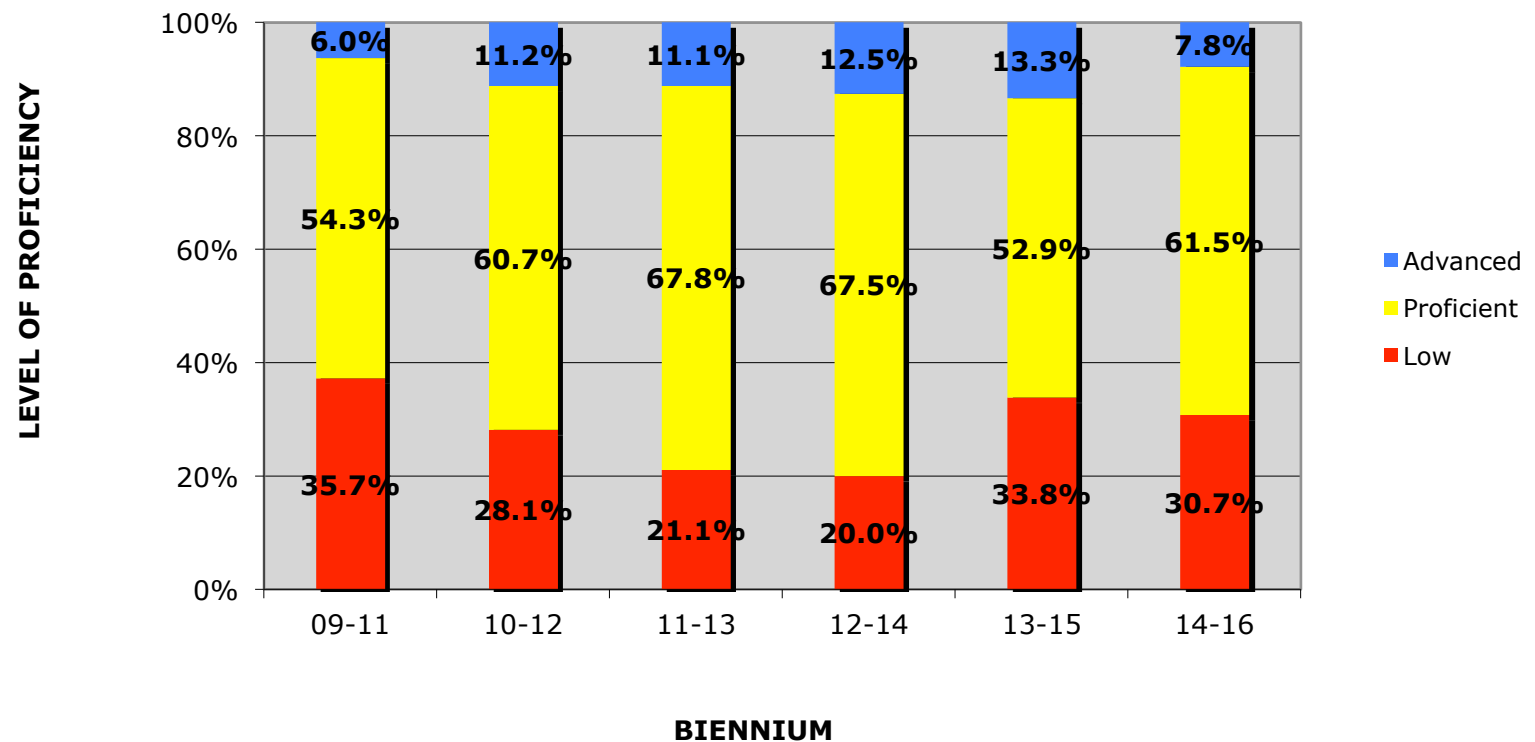
10th Grade Science: TOTAL (NPR)



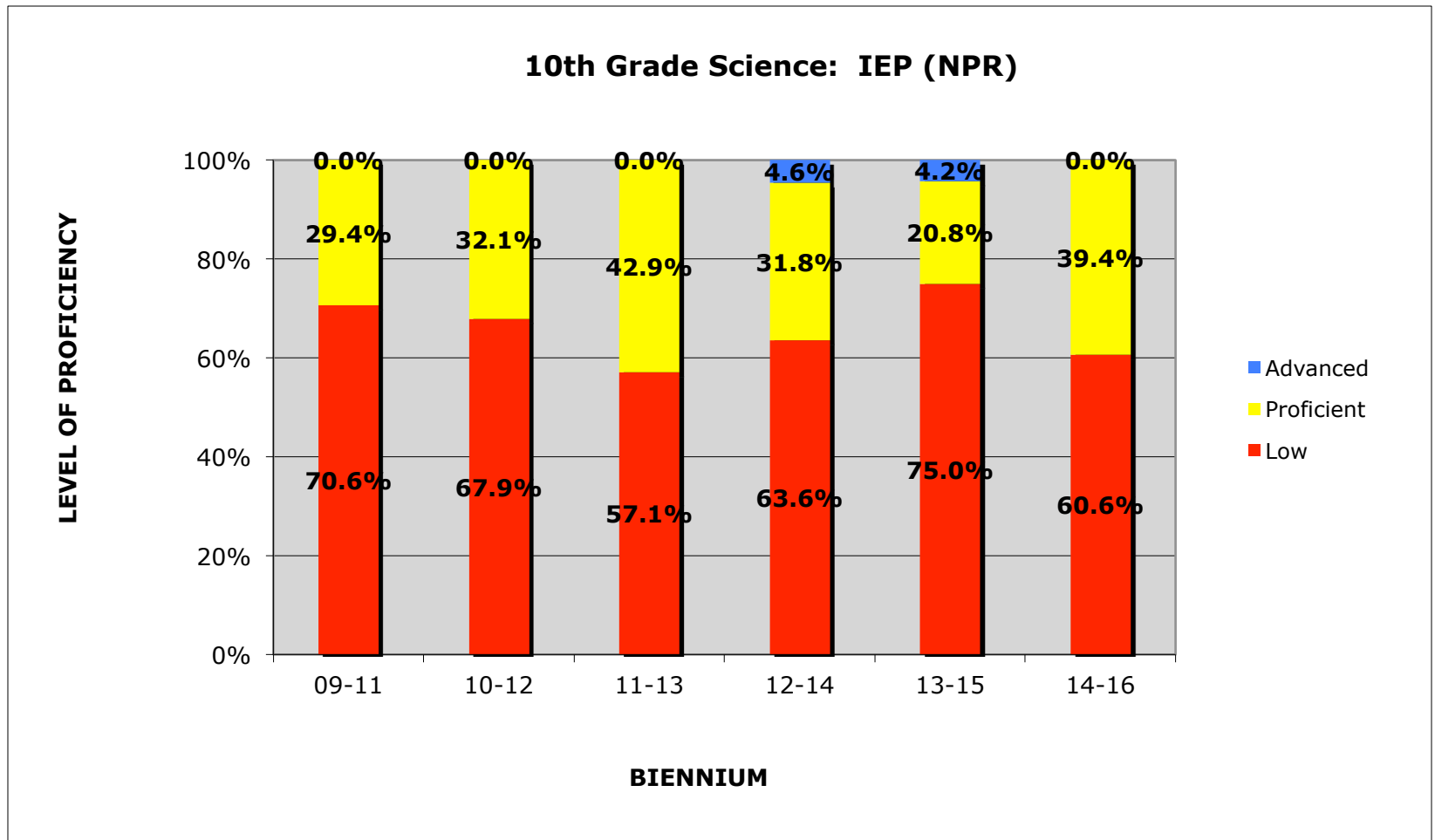


# 10<sup>th</sup> Science Biennium (Low SES)

10th Grade Science: F/R (NPR)

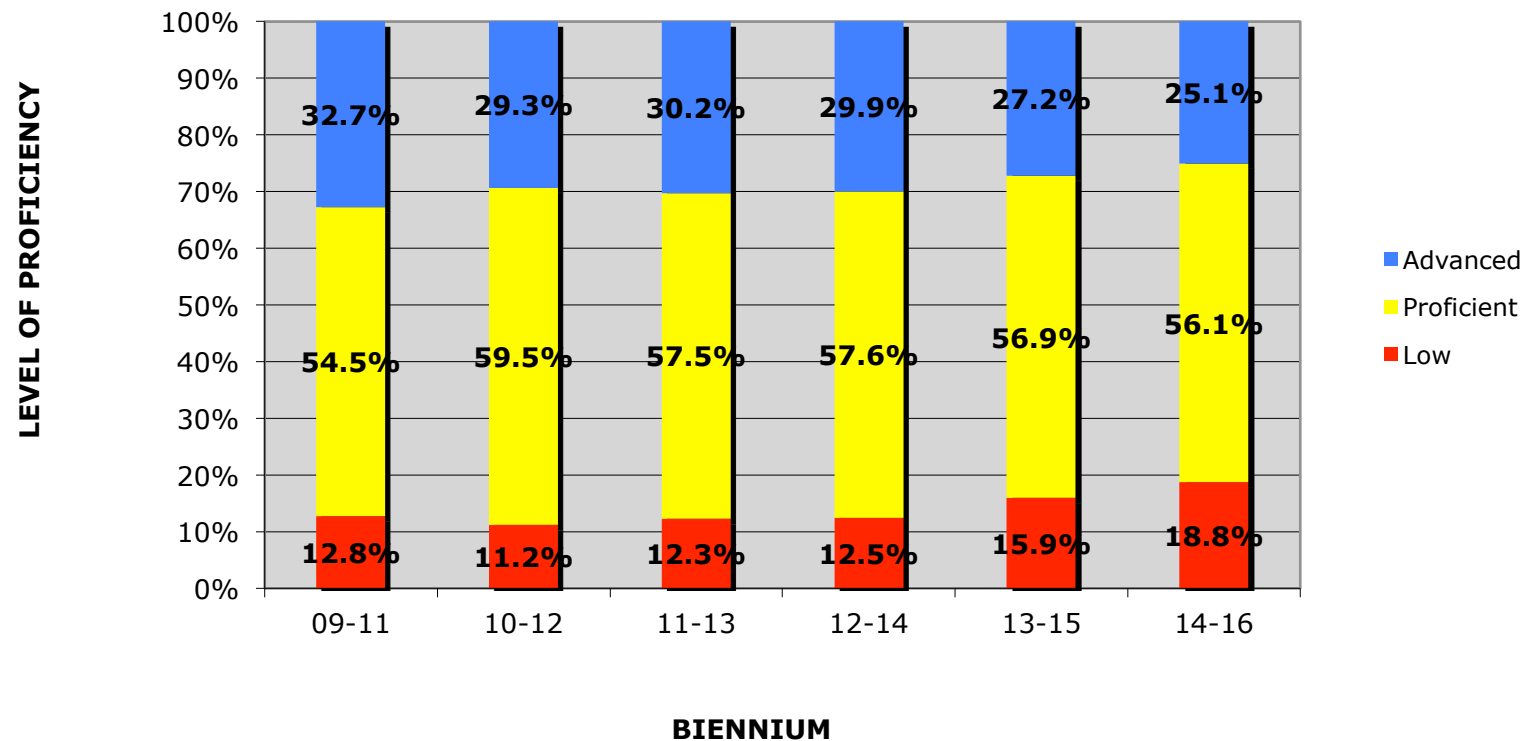


# 10<sup>th</sup> Science Biennium (IEP)



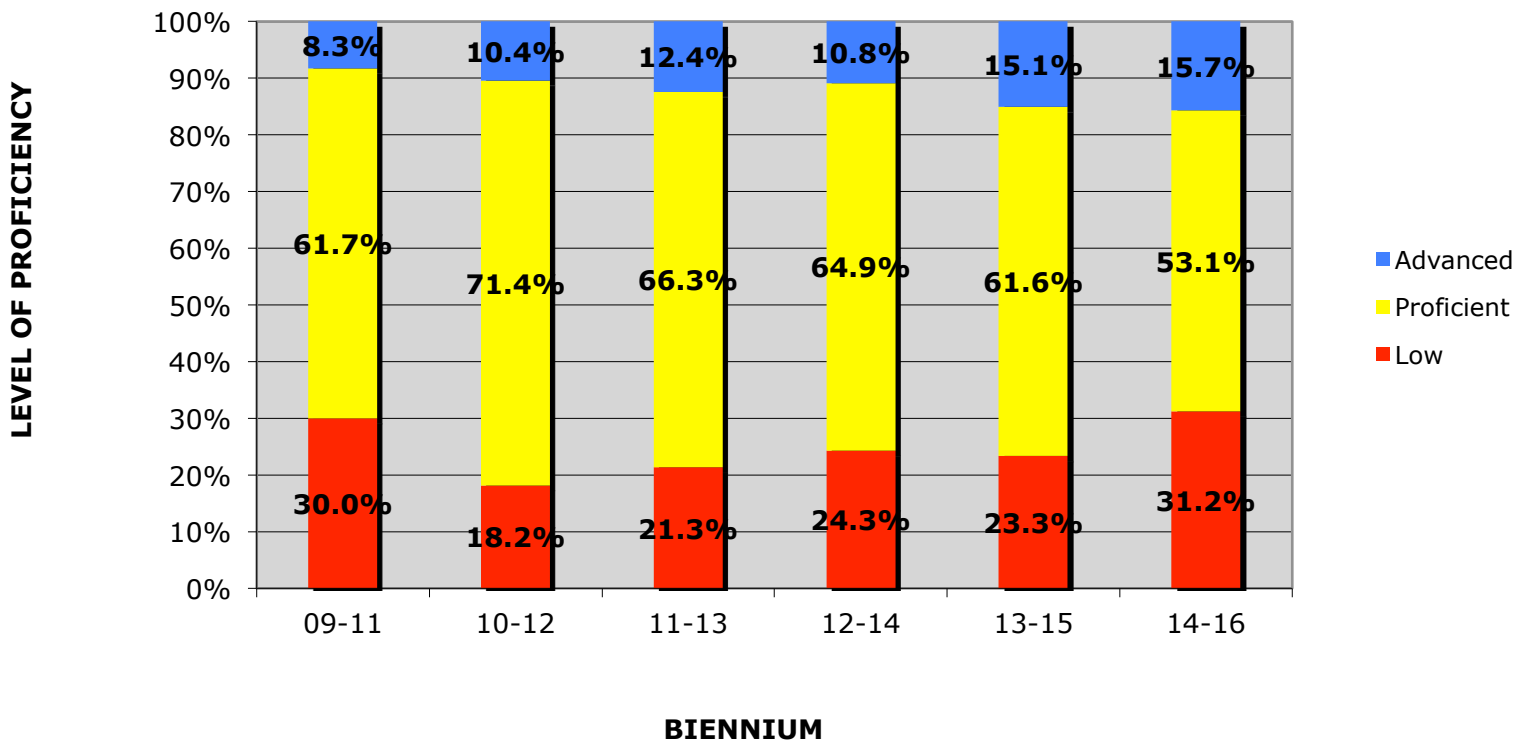
# 11<sup>th</sup> Science Biennium (ALL)

**11th Grade Science: TOTAL (NPR)**



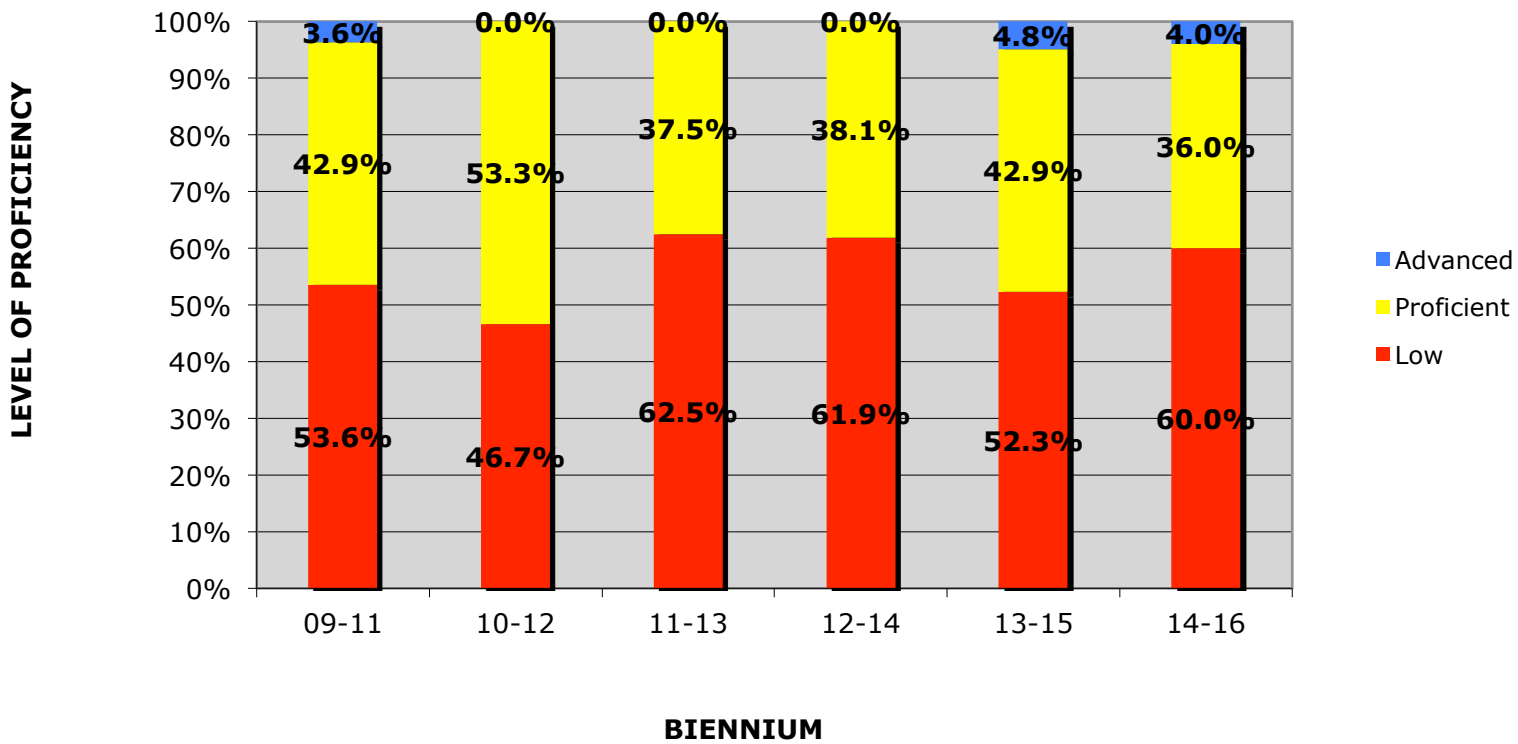
# 11<sup>th</sup> Science Biennium (Low SES)

11th Grade Science: F/R (NPR)



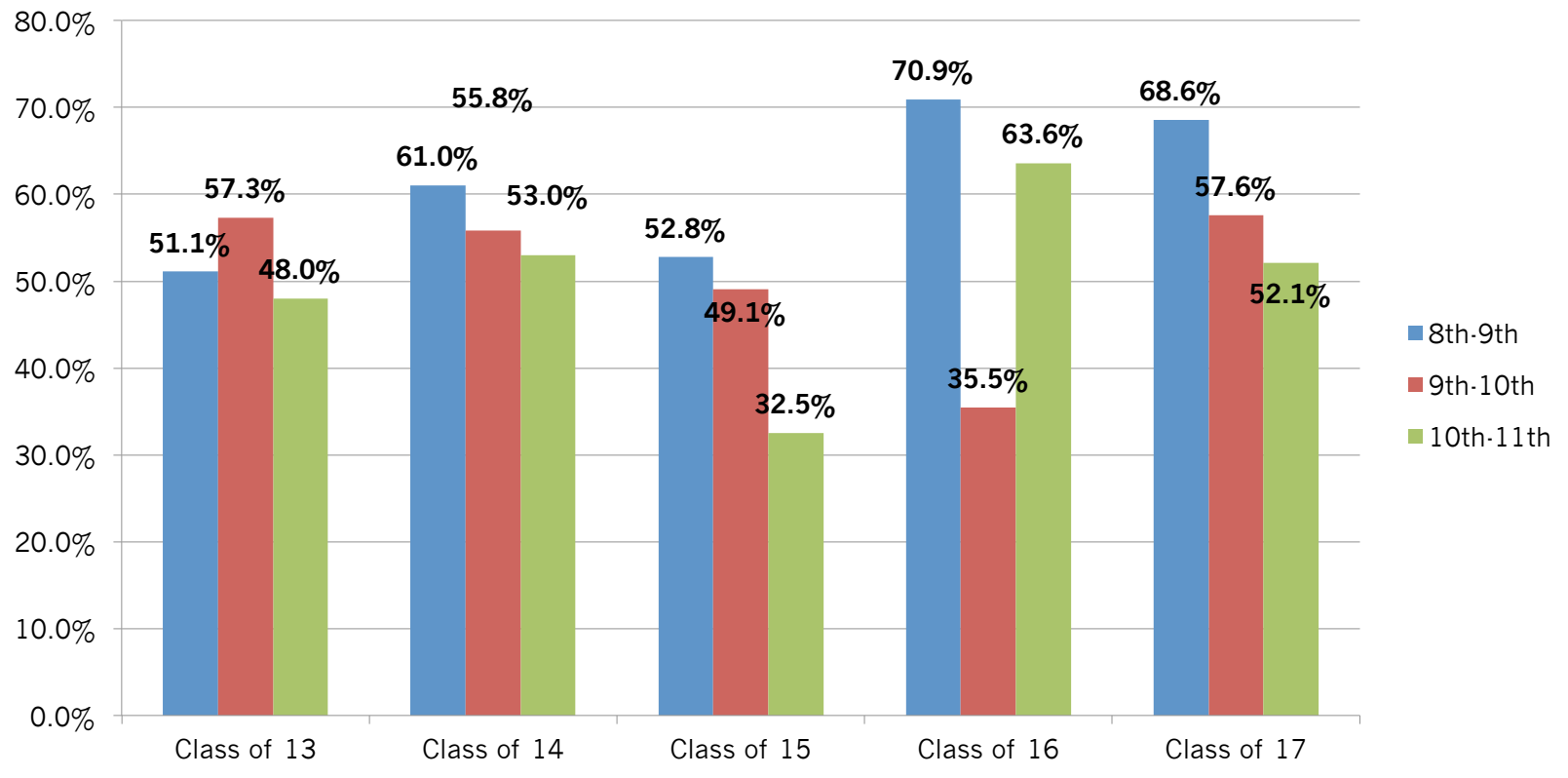
# 11<sup>th</sup> Science Biennium (IEP)

11th Grade Science: IEP (NPR)



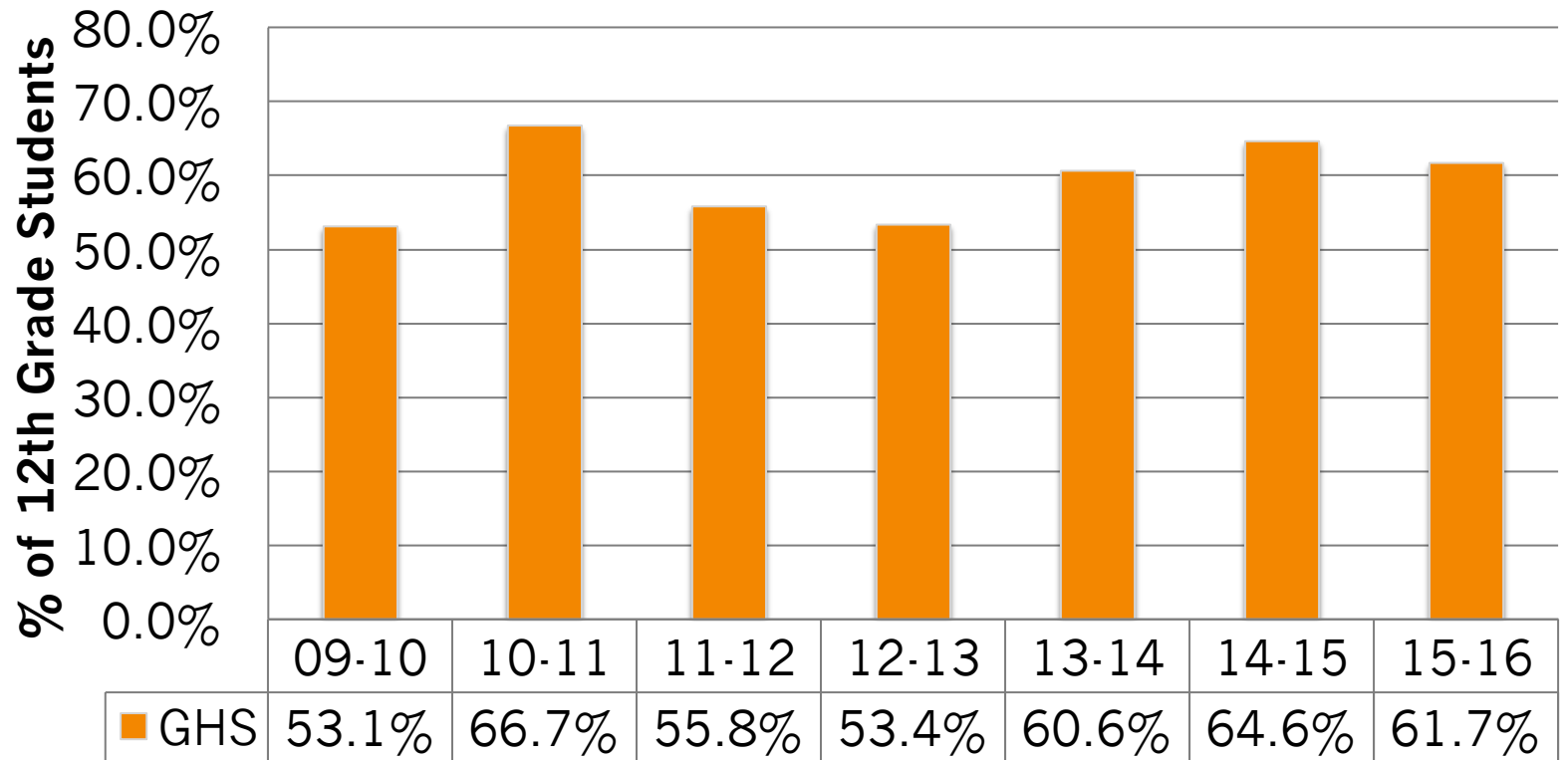
# Science: Exceeding NSS Growth

**Science: % of Students Exceeding Typical NSS Growth  
(as FAY Juniors)**



# ACT Data (Participation)

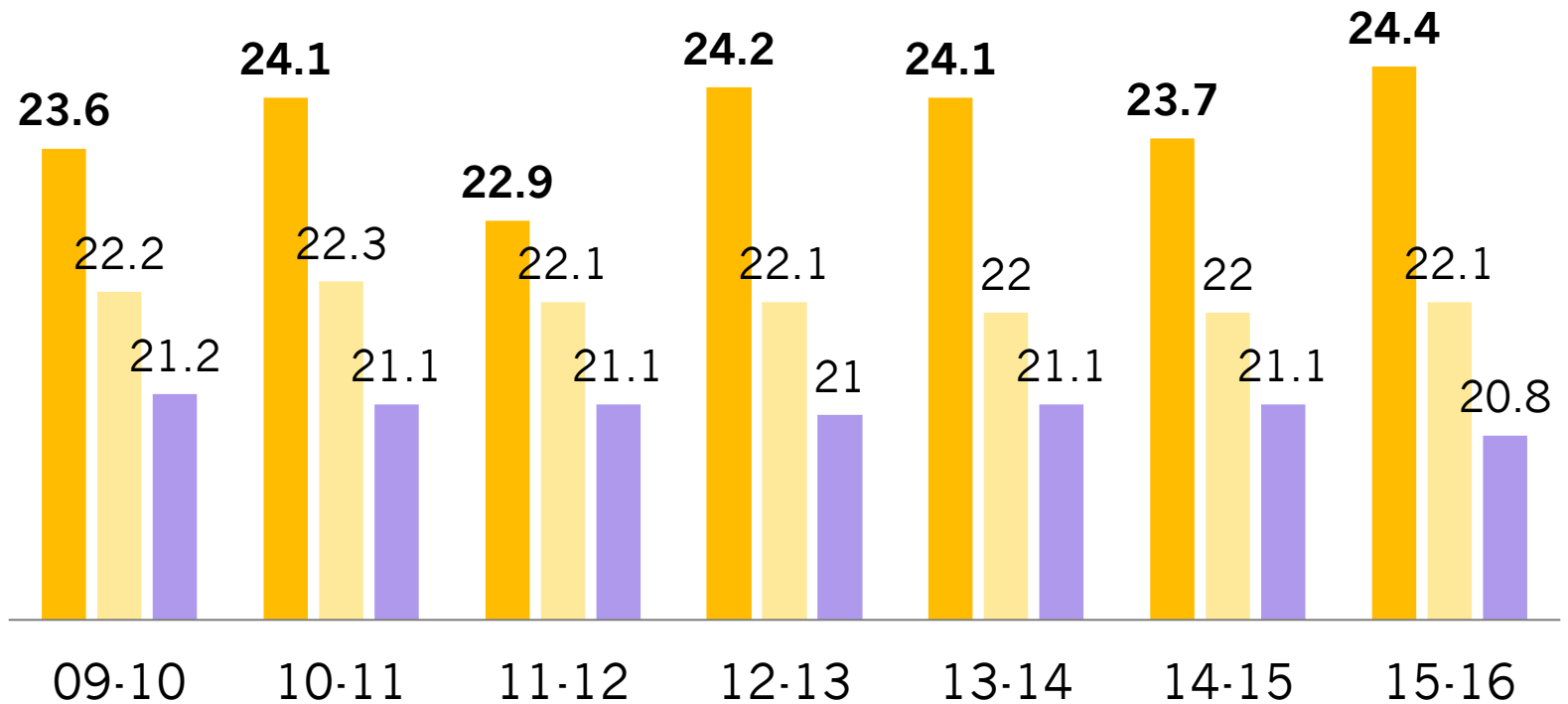
## GHS ACT Participation Data (12th Grade Graduates)



# ACT Data (Composite)

## Avg. ACT Composite Scores

■ GHS ■ IOWA ■ NATIONAL

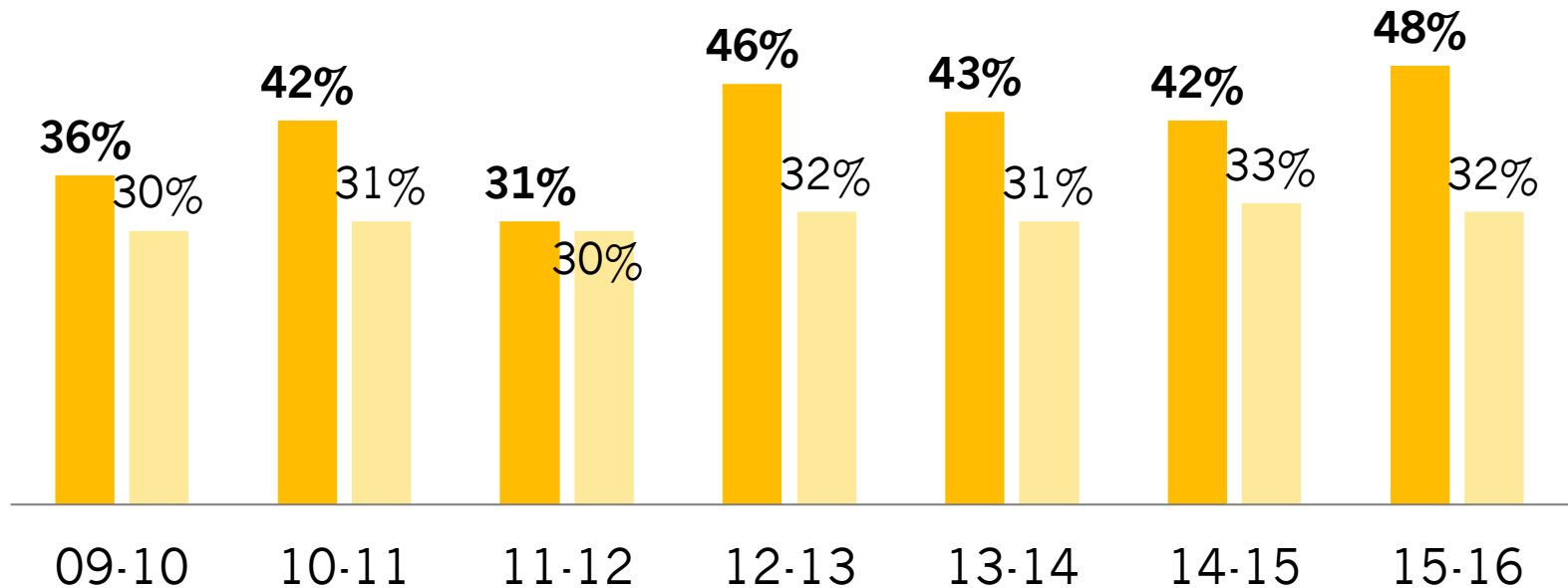




# ACT Data (College Readiness)

**% Ready for All Subjects: College English,  
Reading, Biology, & Algebra**

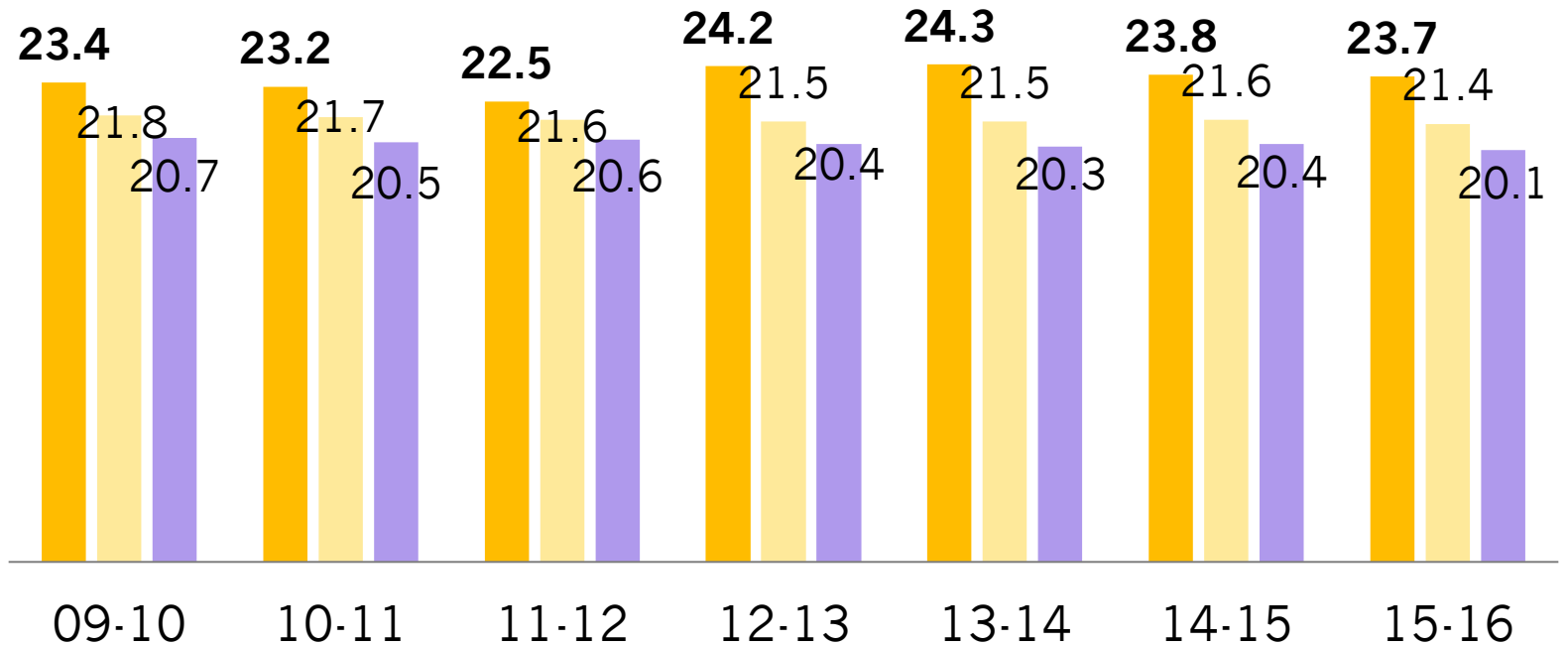
■ GHS ■ IOWA



# ACT Data (English)

## Avg. ACT English

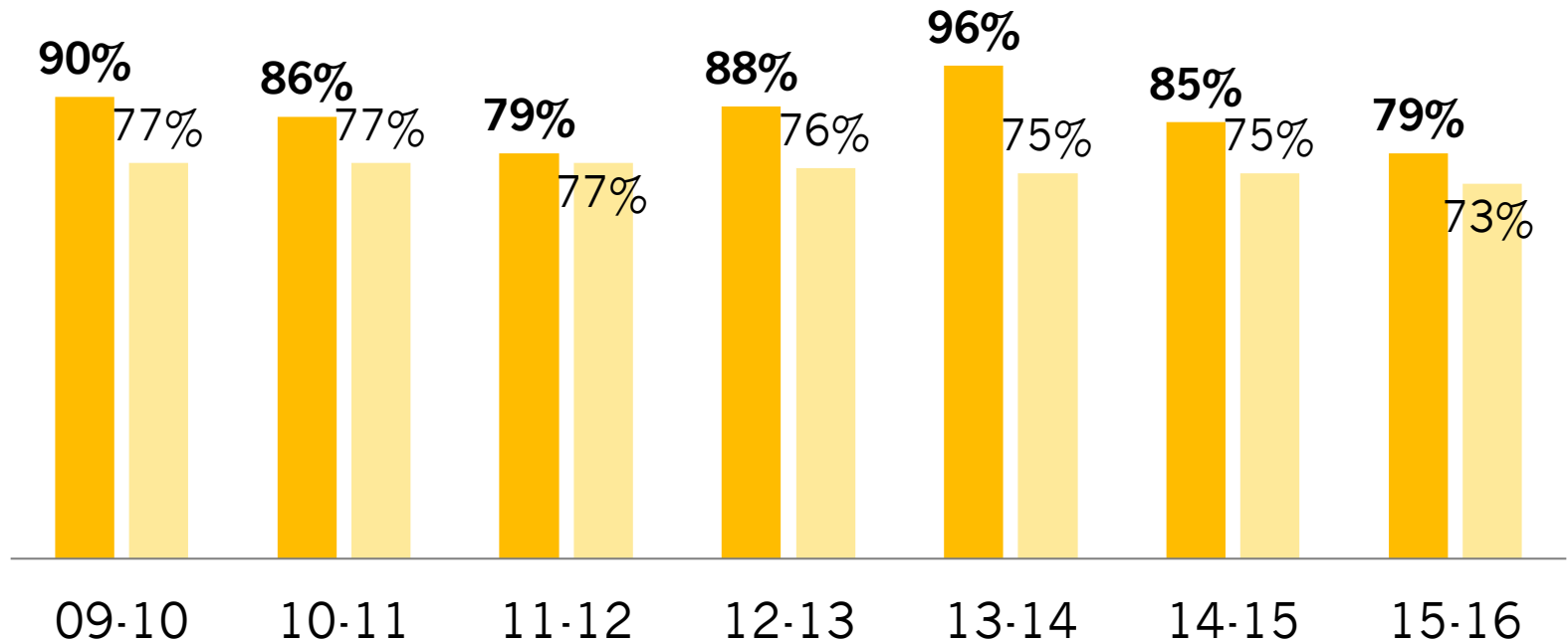
■ GHS ■ IOWA ■ NATIONAL



# ACT Data (College Readiness)

**% Ready for College English**

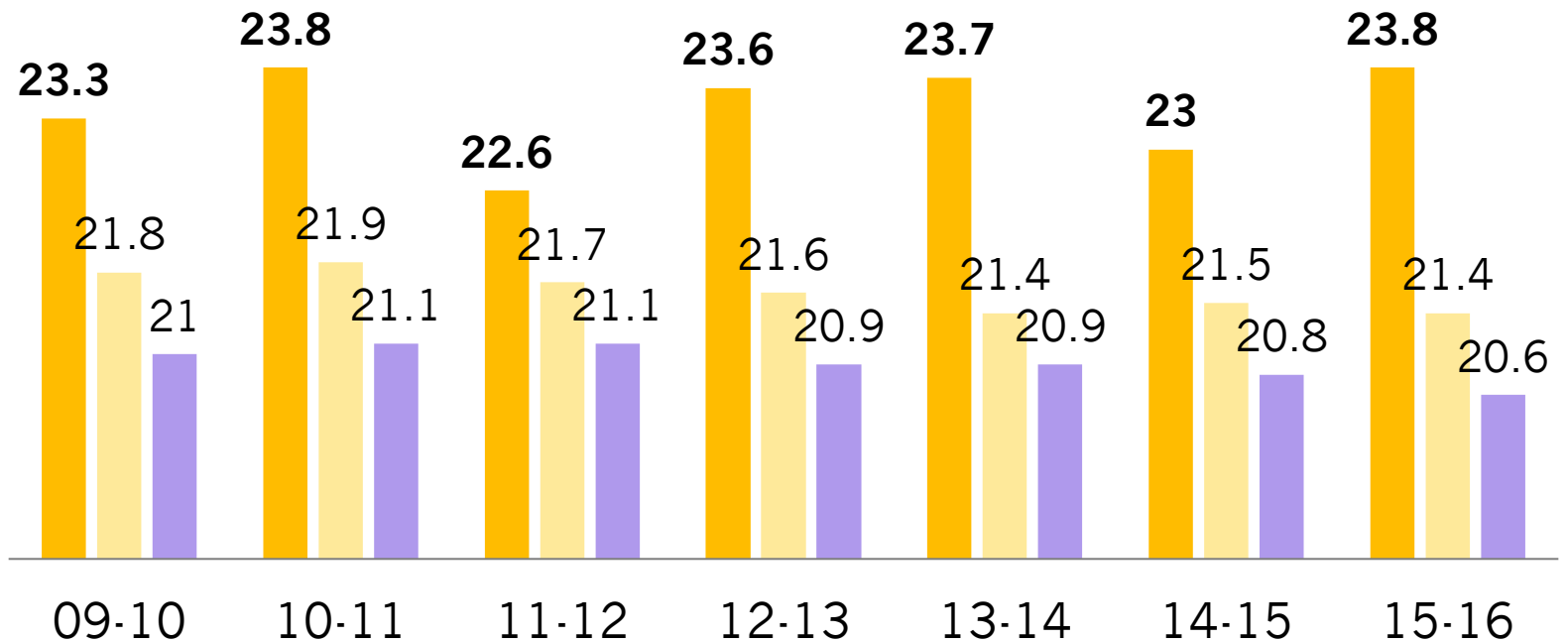
■ GHS ■ IOWA



# ACT Data (Math)

## Avg. ACT Math

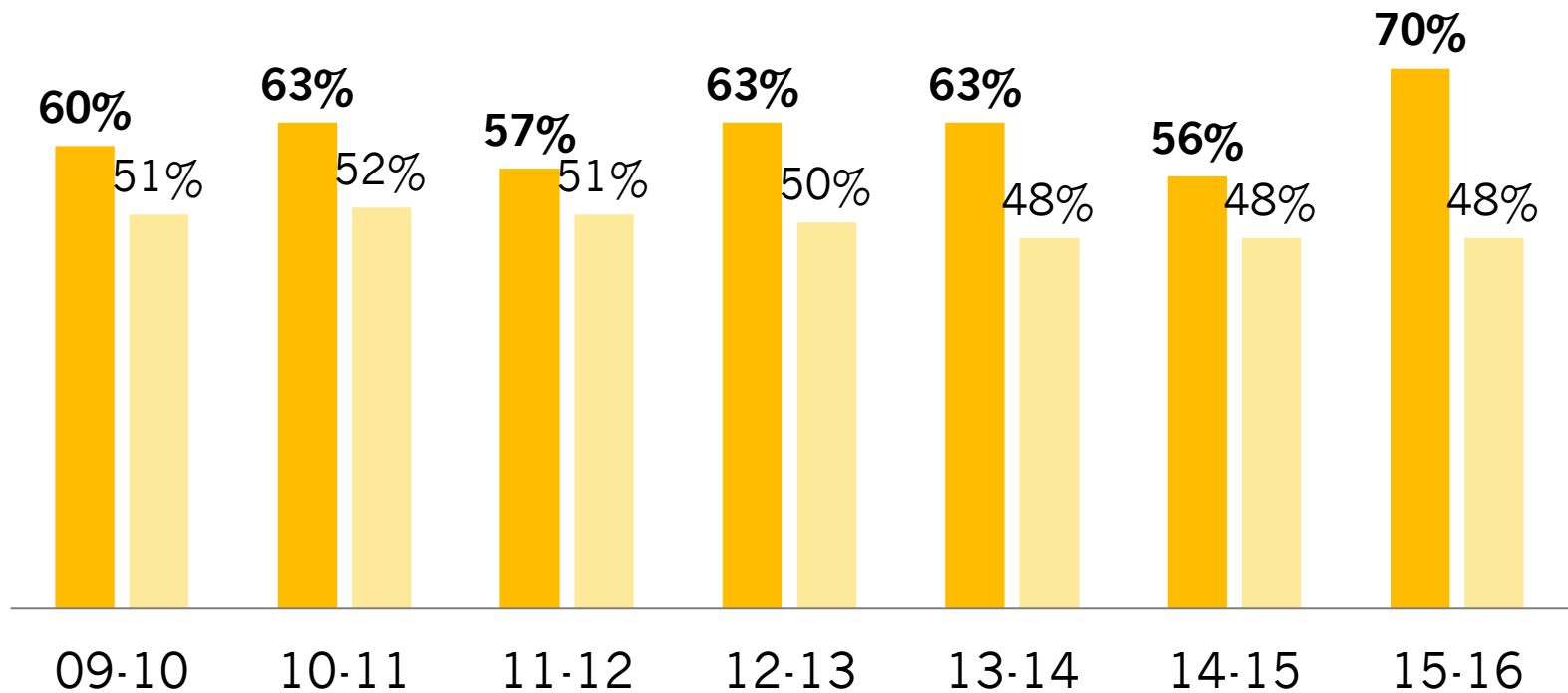
■ GHS ■ IOWA ■ NATIONAL



# ACT Data (College Readiness)

**% Ready for College Algebra**

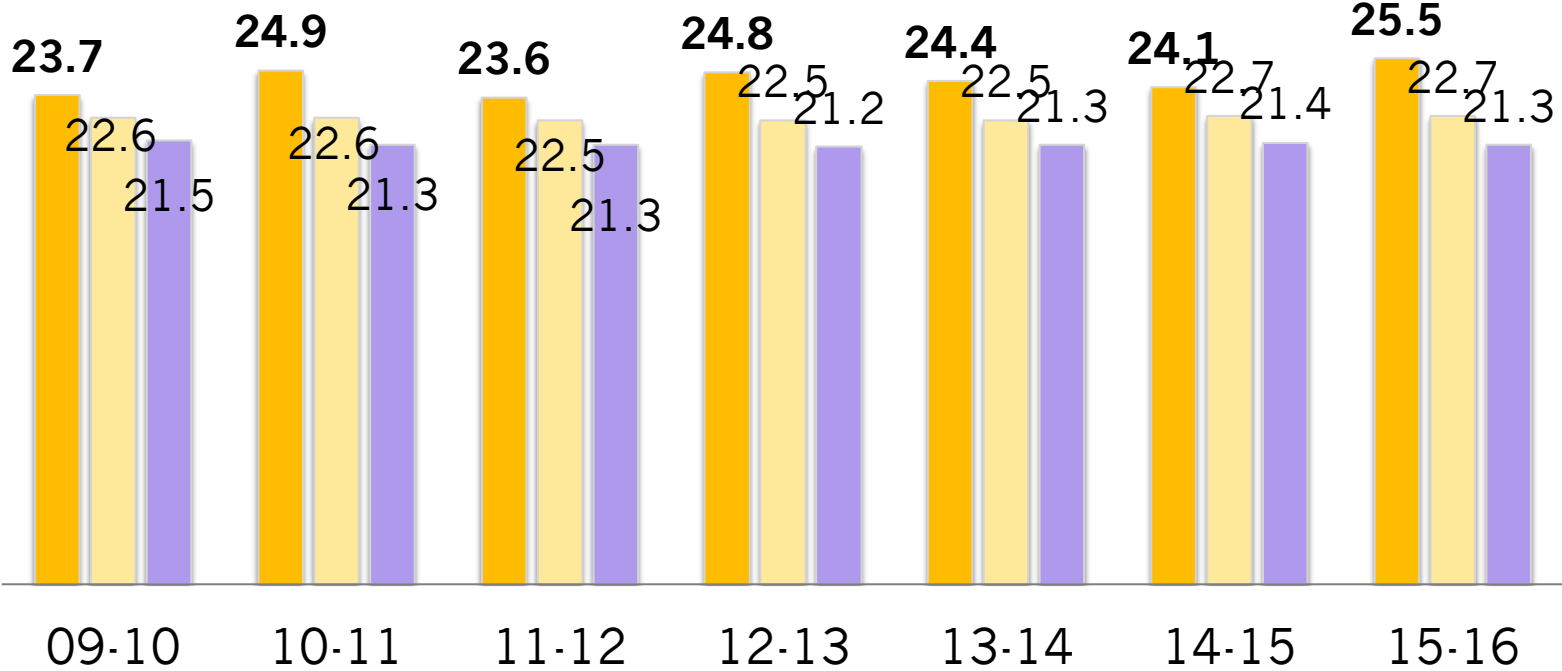
■ GHS ■ IOWA



# ACT Data (Reading)

## Avg. ACT Reading

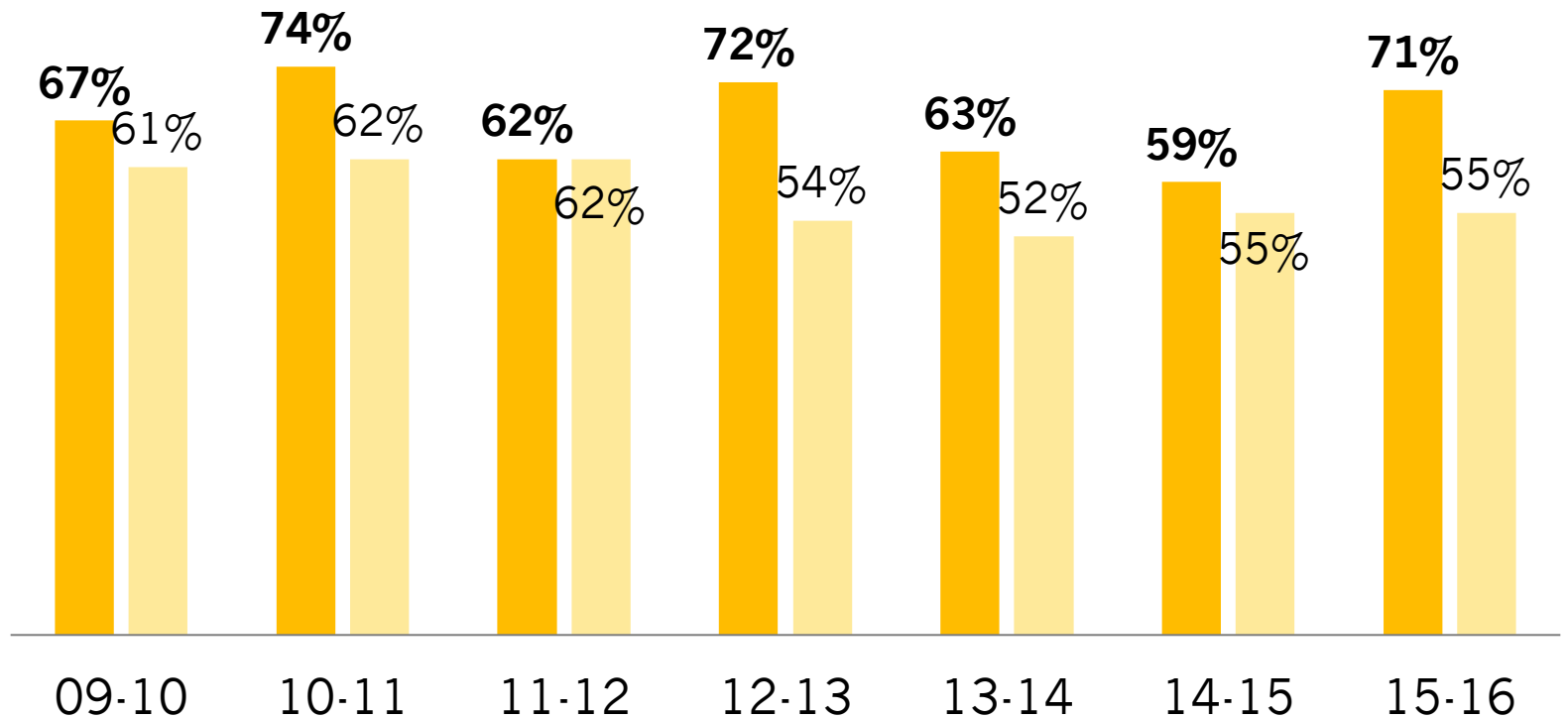
■ GHS ■ IOWA ■ NATIONAL



# ACT Data (College Readiness)

## % Ready for College Social Sciences

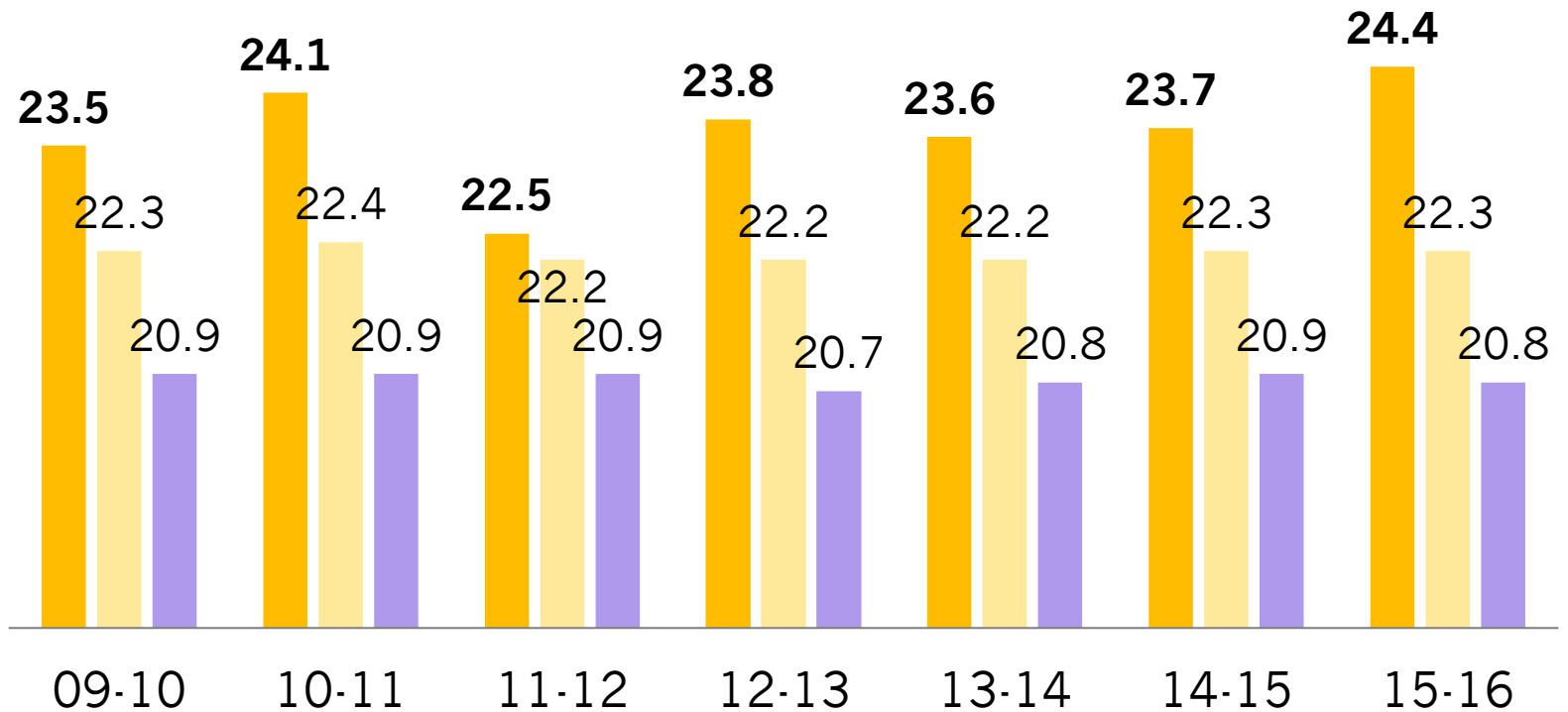
■ GHS ■ IOWA



# ACT Data (Science)

## Avg. ACT Science

■ GHS ■ IOWA ■ NATIONAL

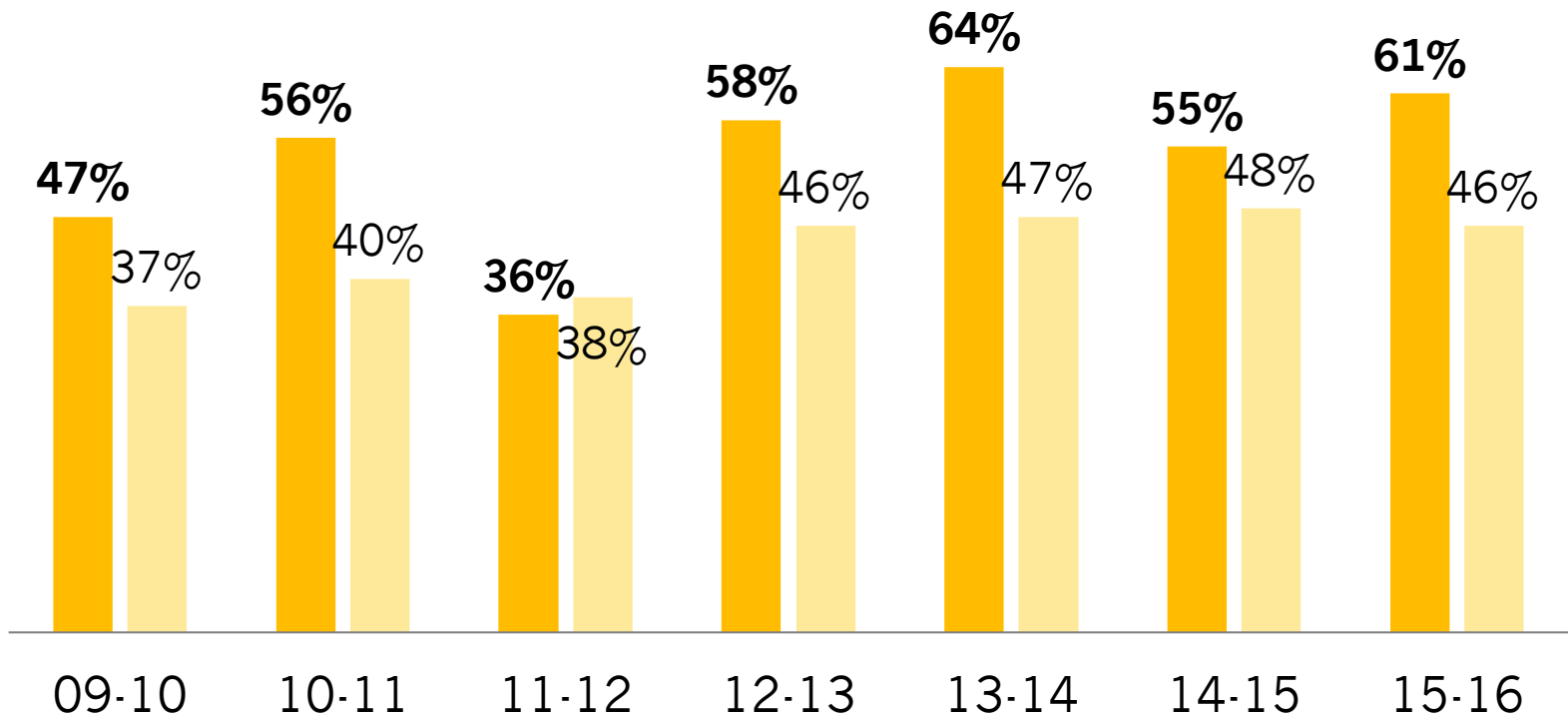




# ACT Data (College Readiness)

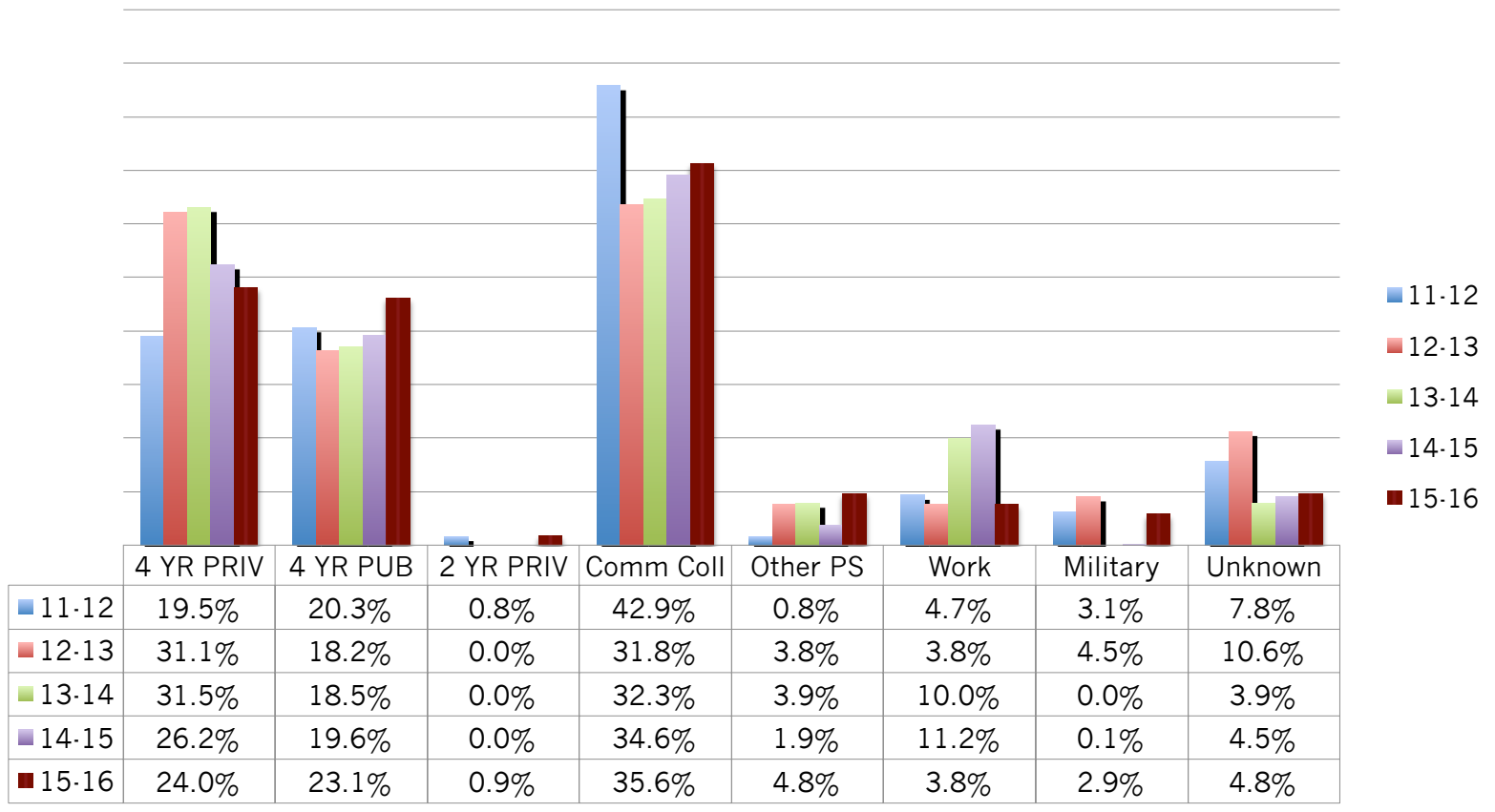
## % Ready for College Biology

■ GHS ■ IOWA



# GHS Post Graduate Intentions

GHS Graduate Intentions (2012 - 2016)

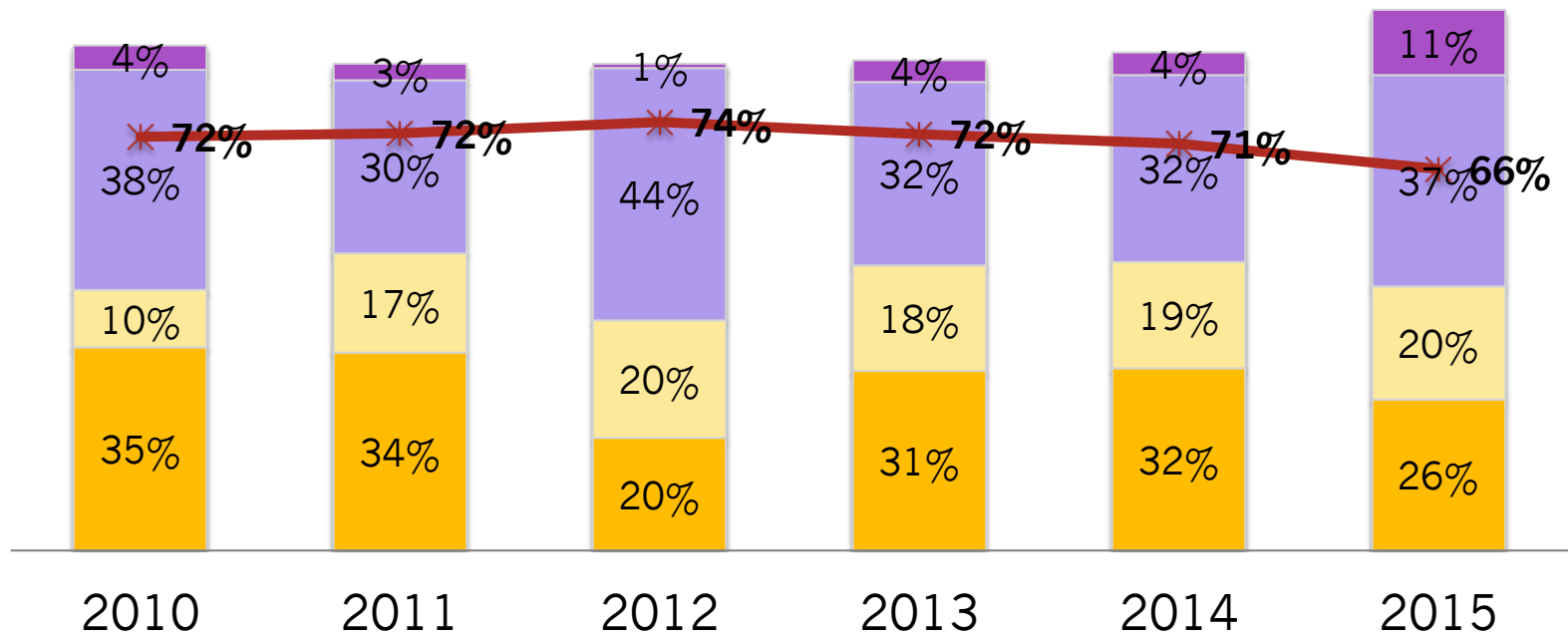


# College Intentions vs. Actual Enrollment

## College Intentions vs. Actual

\* Enrollment in PS immediately after high school

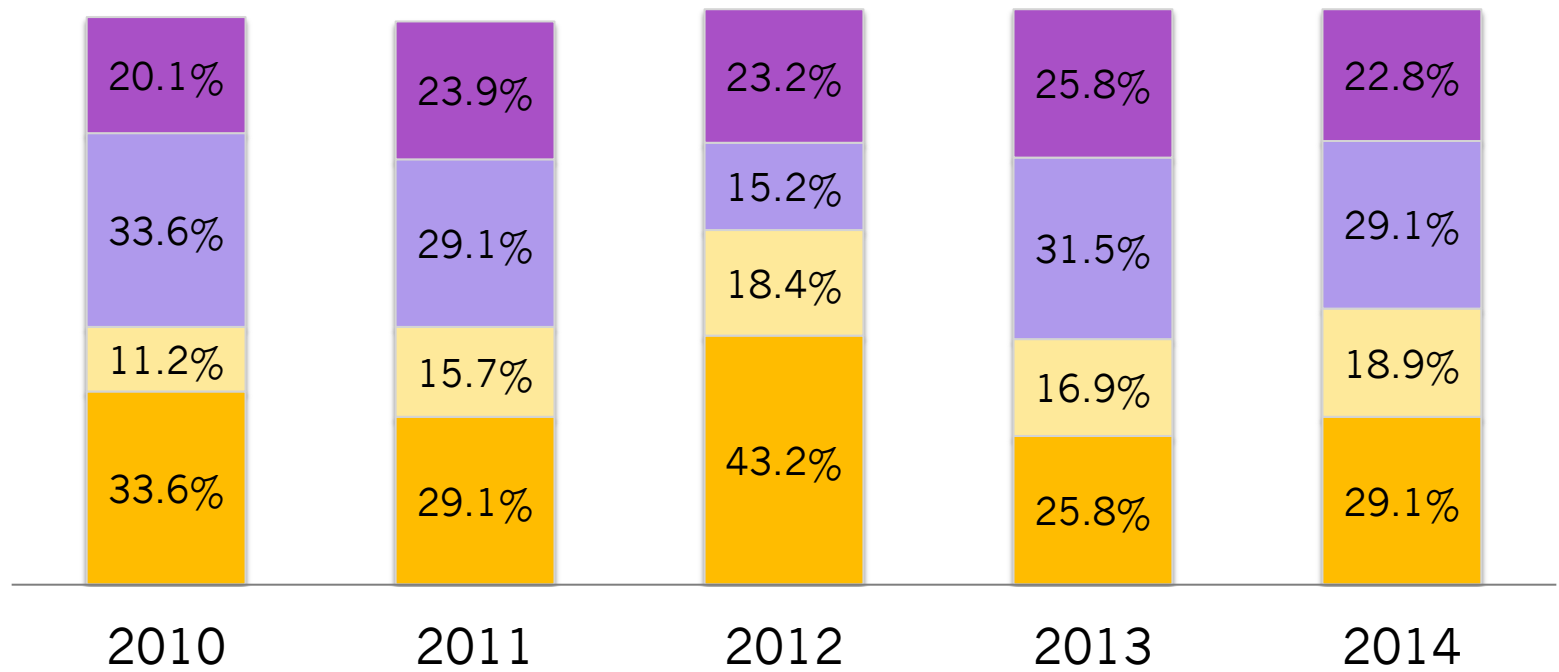
4 Priv 4 Pub 2 Year Other Actual



# Dept. of Ed Info – Postsecondary Enrollment within 1 year of Graduation

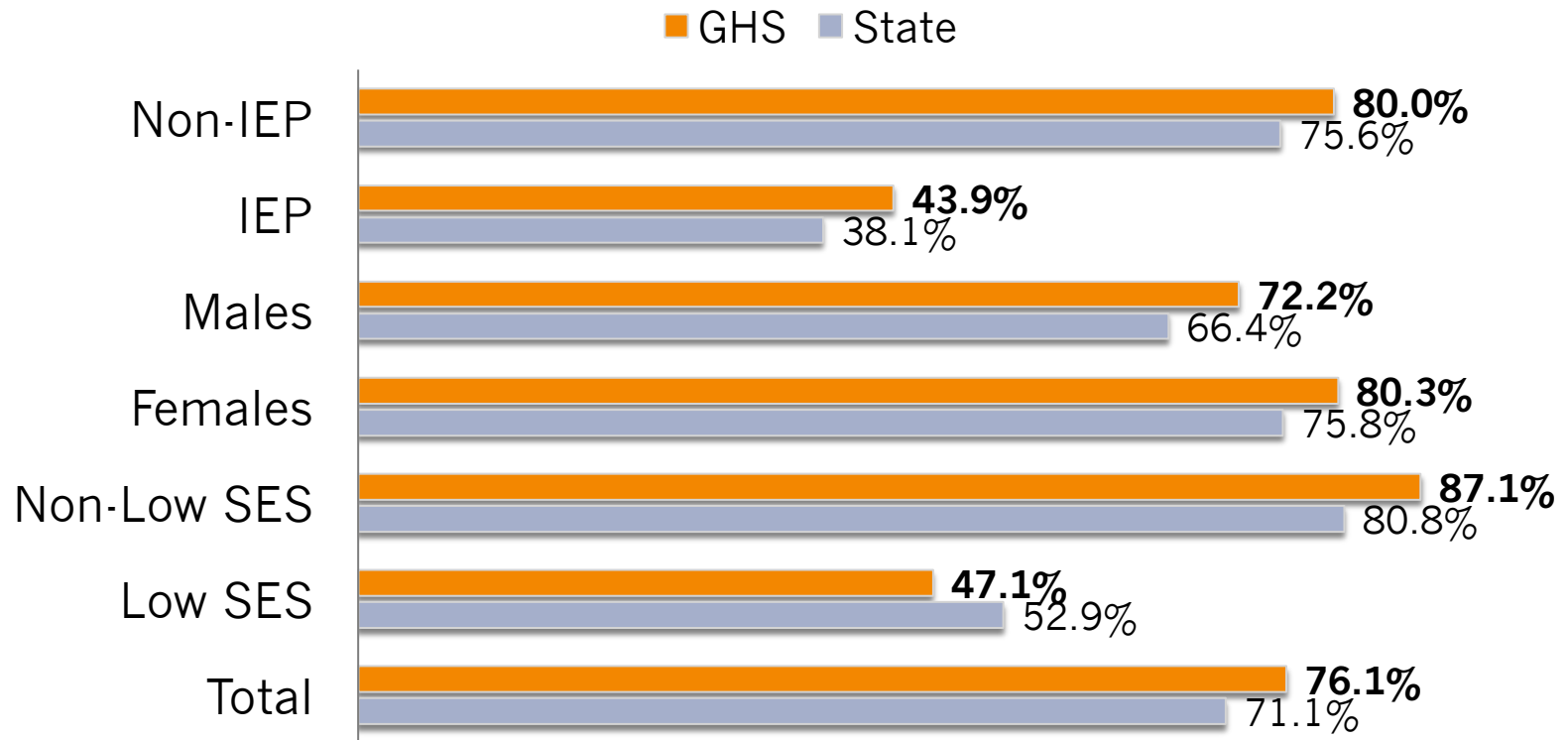
## Enrollment in Postsecondary within 1 year of Graduation

■ 2 Yr Pub ■ 4 Yr Pub ■ 4 Yr Priv ■ No Enroll Found



# Dept. of Ed Info – Postsecondary Enrollment within 1 year of Graduation

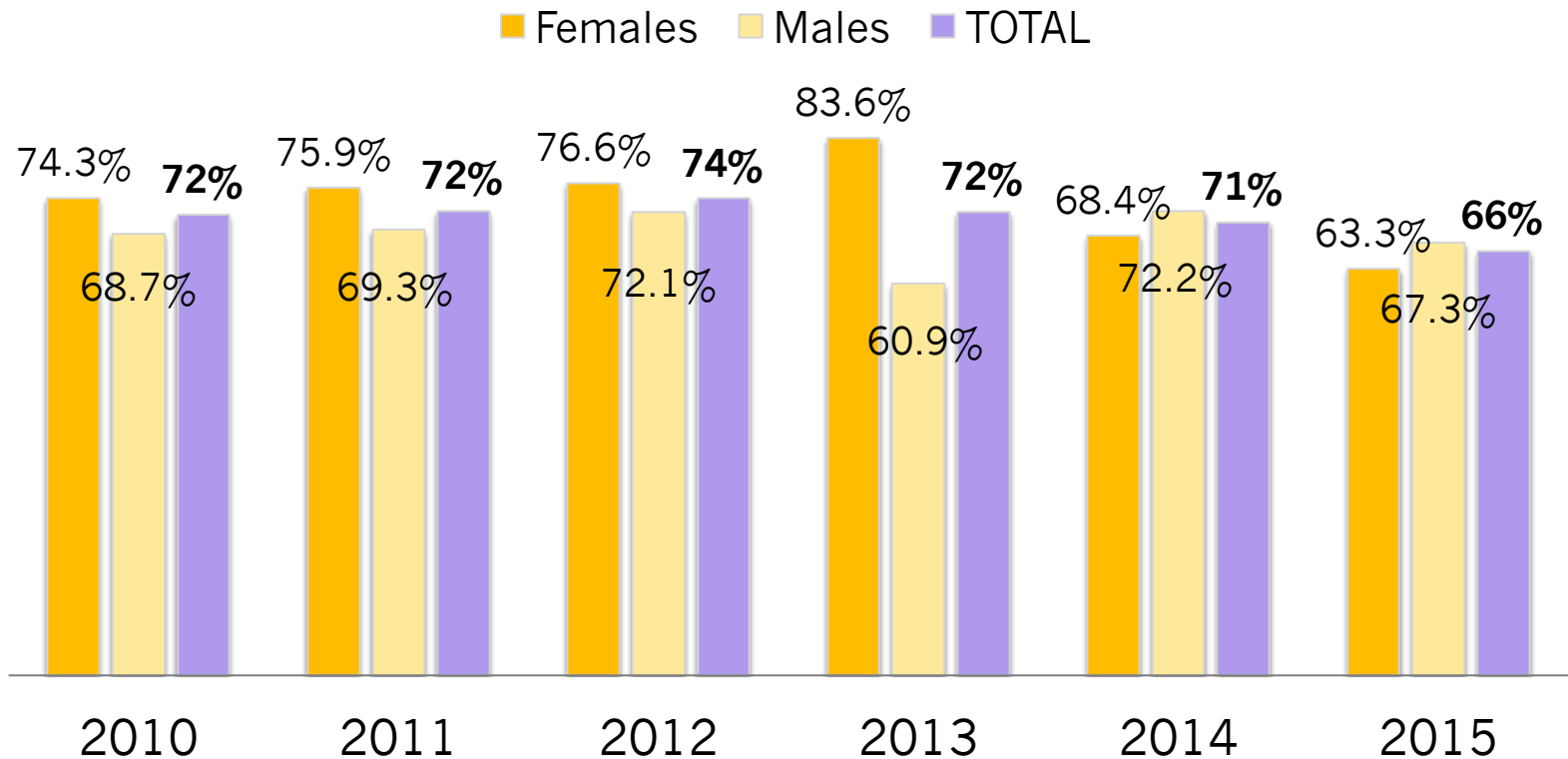
**11-12 through 13-14: 3 Yr Avg. of Graduates Enrolled in Postsecondary within 1 year of Graduation**



# College Enrollment by Gender

## Actual Enrollment by Gender

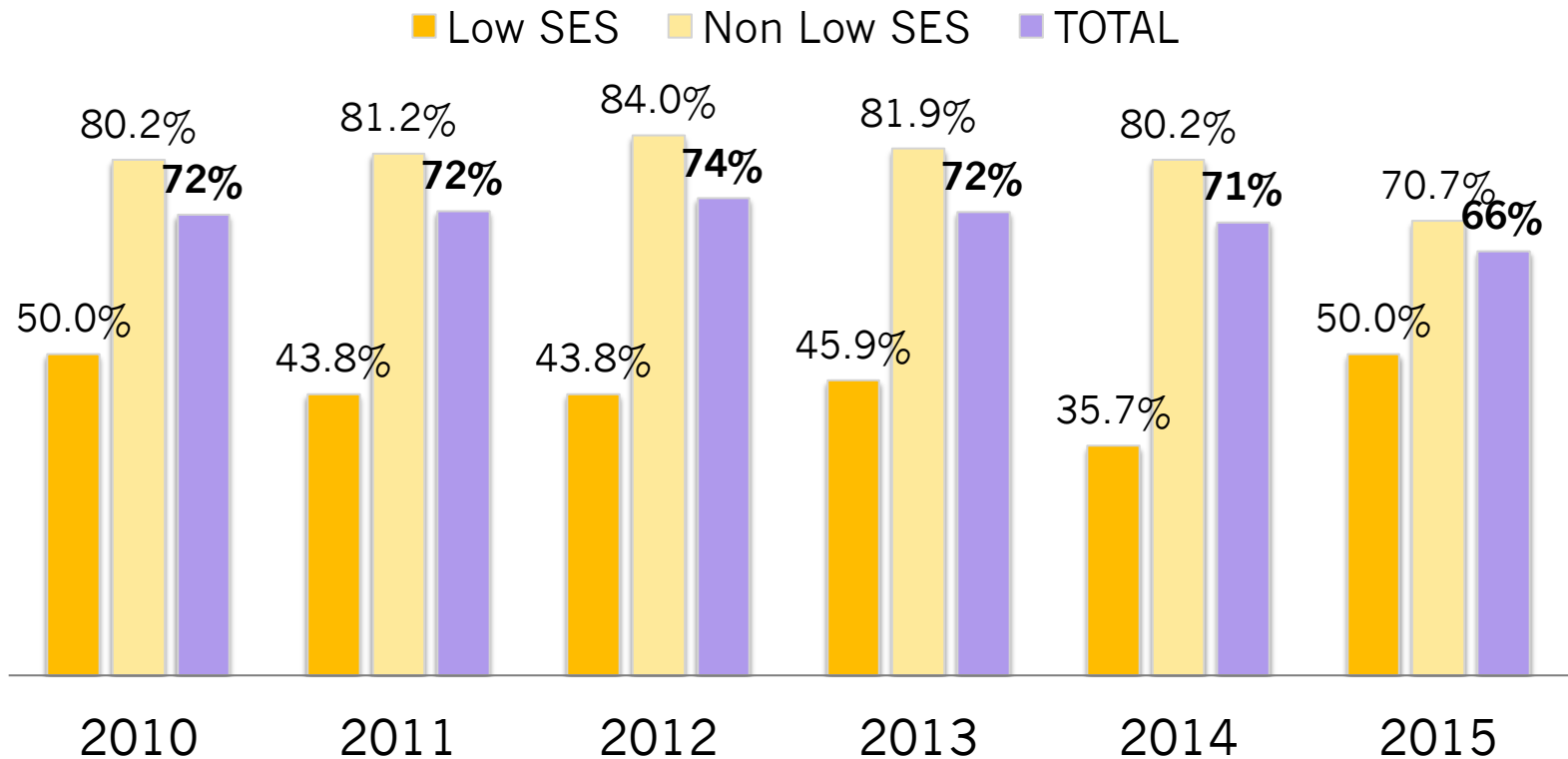
\* Enrollment in PS immediately after high school



# College Enrollment by Socioeconomic Status

## Actual Enrollment by Socioeconomic Status

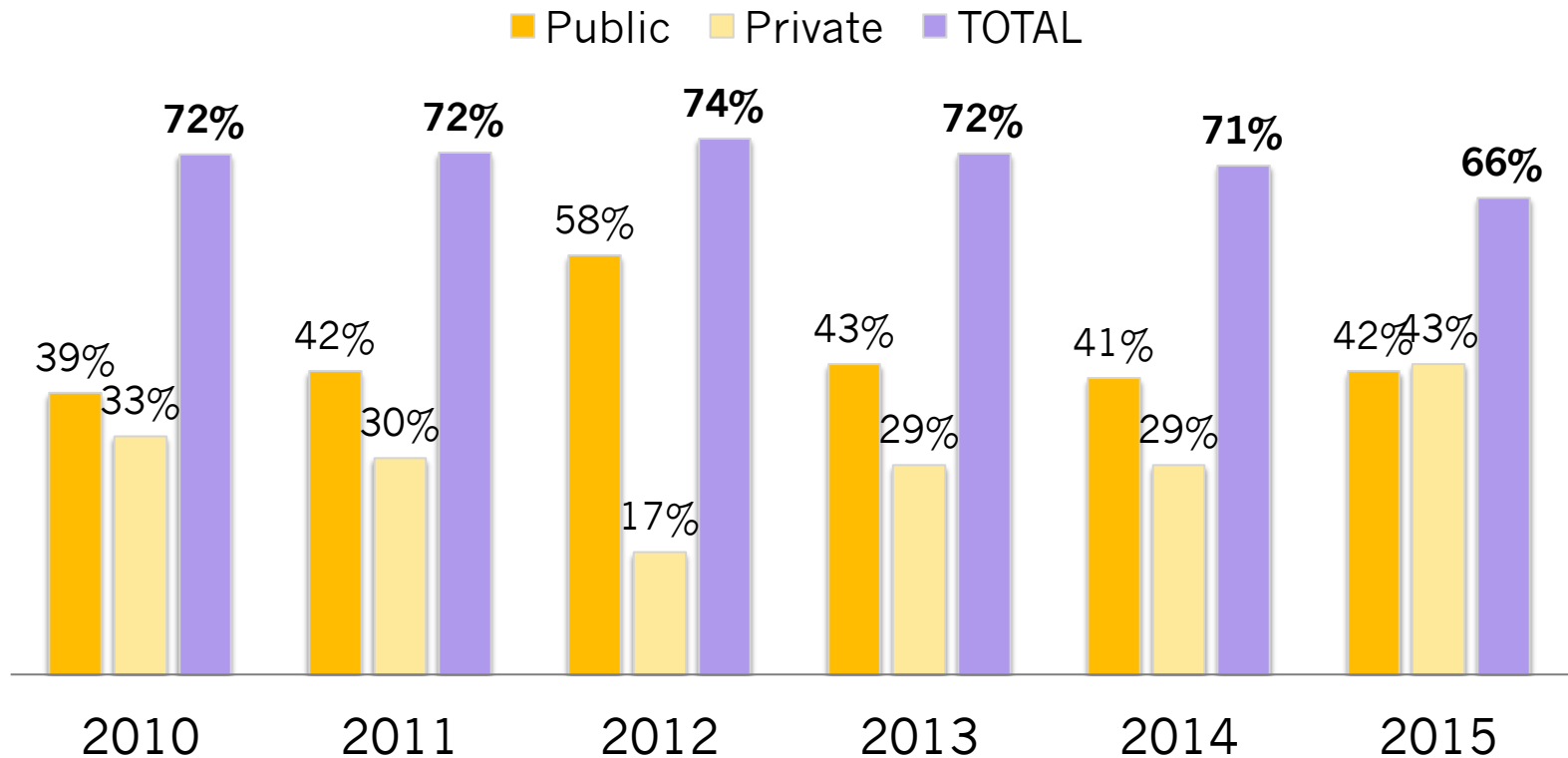
\* Enrollment in PS immediately after high school



# College Enrollment by Institution Type (Public/Private)

## College Enrollment by Institution (Public vs. Private)

\* Enrollment in PS immediately after high school

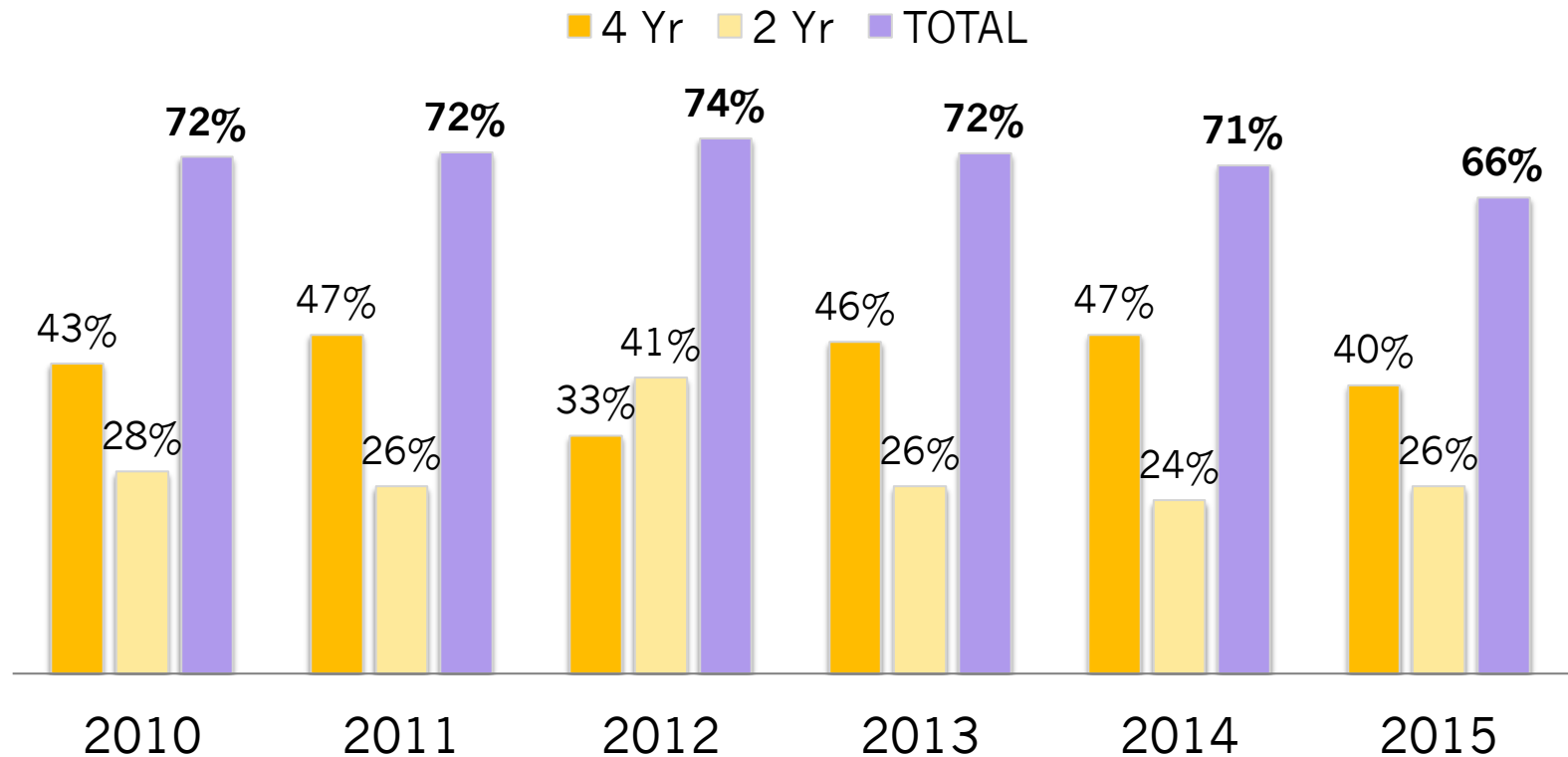




# College Enrollment by Institution Type (4 Year/2 Year)

**College Enrollment by Institution (4 Year vs. 2 Year)**

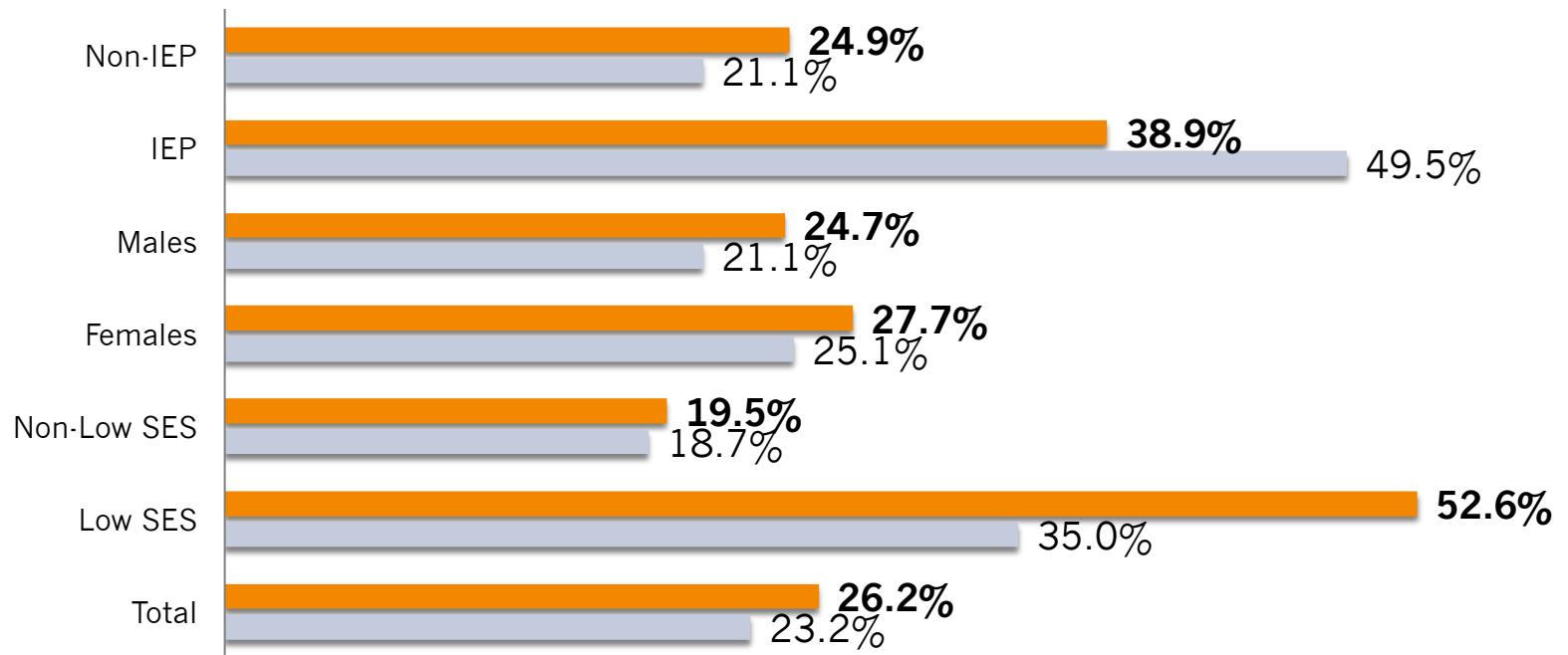
**\* Enrollment in PS immediately after high school**



# Dept. of Ed Info – Remedial Course Utilization (1<sup>st</sup> Year of Postsecondary)

## 11-12 through 13-14: Postsecondary Remedial Course Utilization

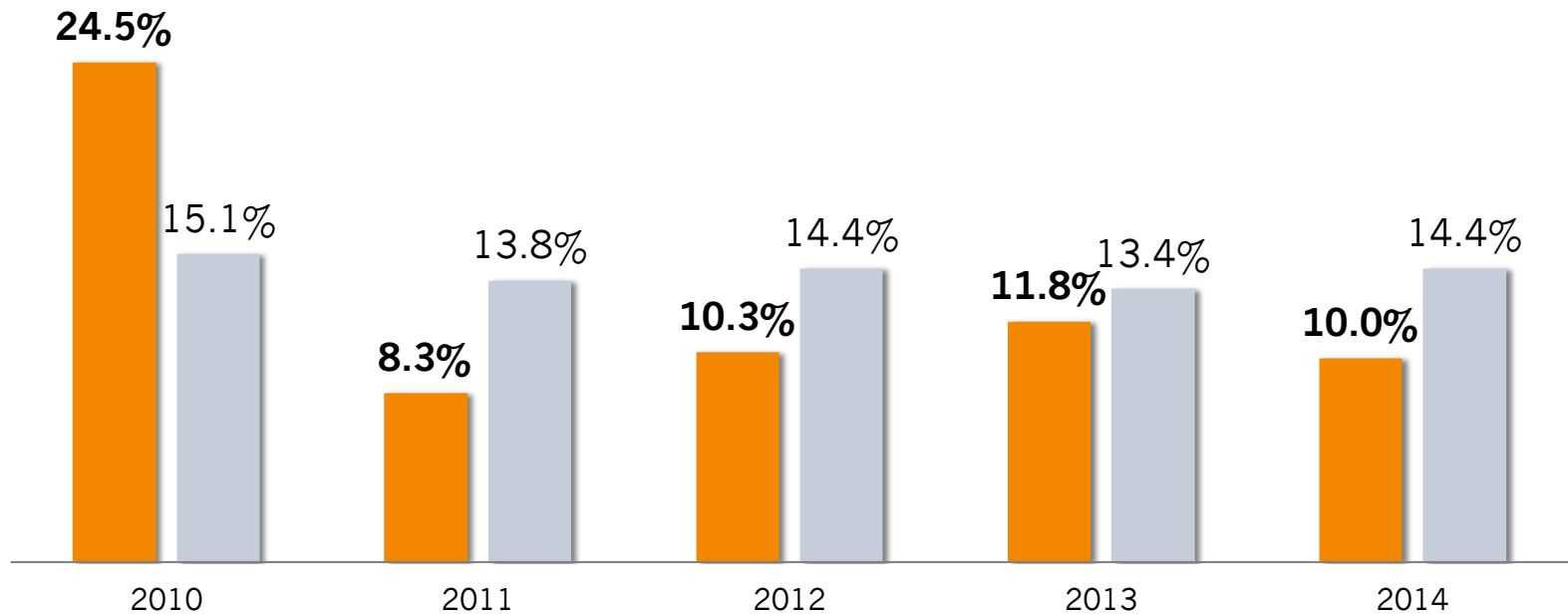
■ GHS ■ State



# Postsecondary Remedial Course Utilization – English Courses

## Five Year Postsecondary Remedial Course Utilization (English)

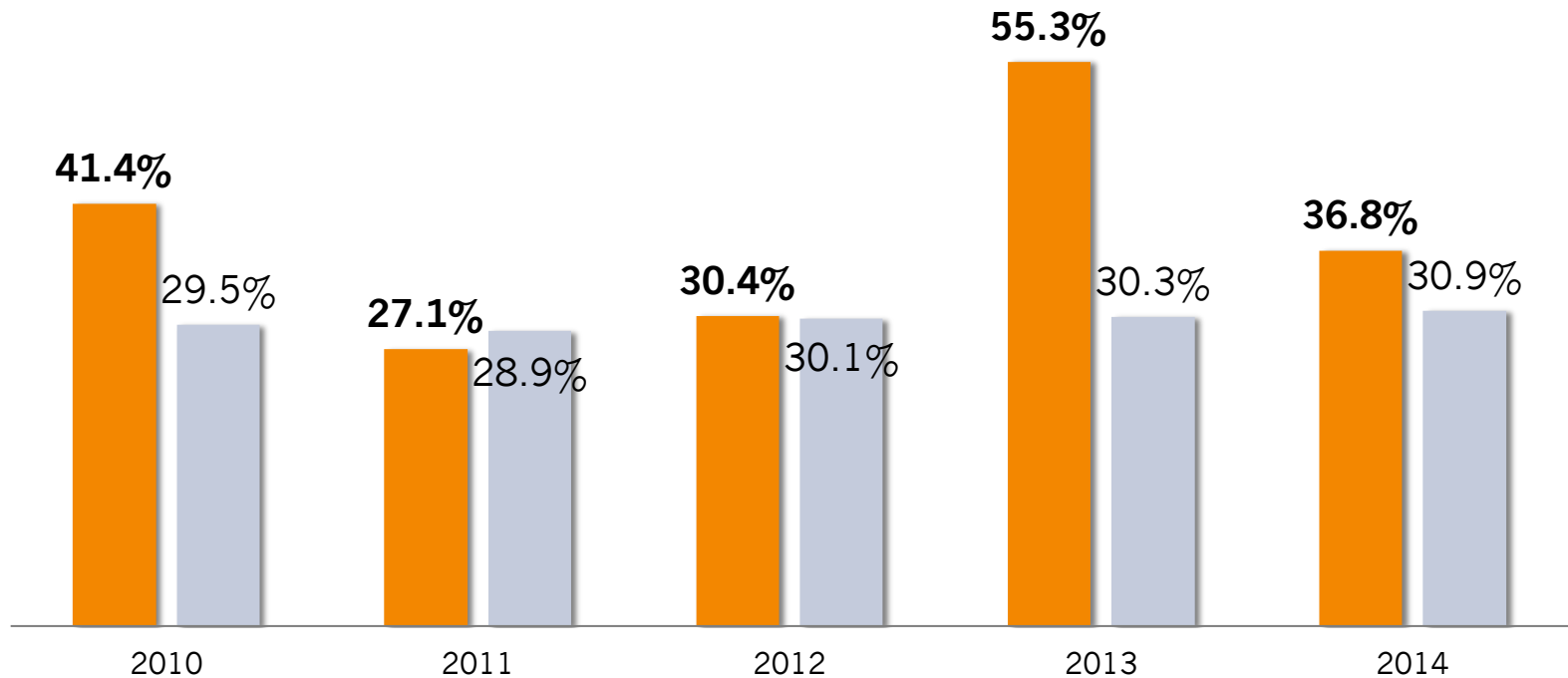
■ GHS ■ State



# Postsecondary Remedial Course Utilization – Math Courses

## Five Year Postsecondary Remedial Course Utilization (Math)

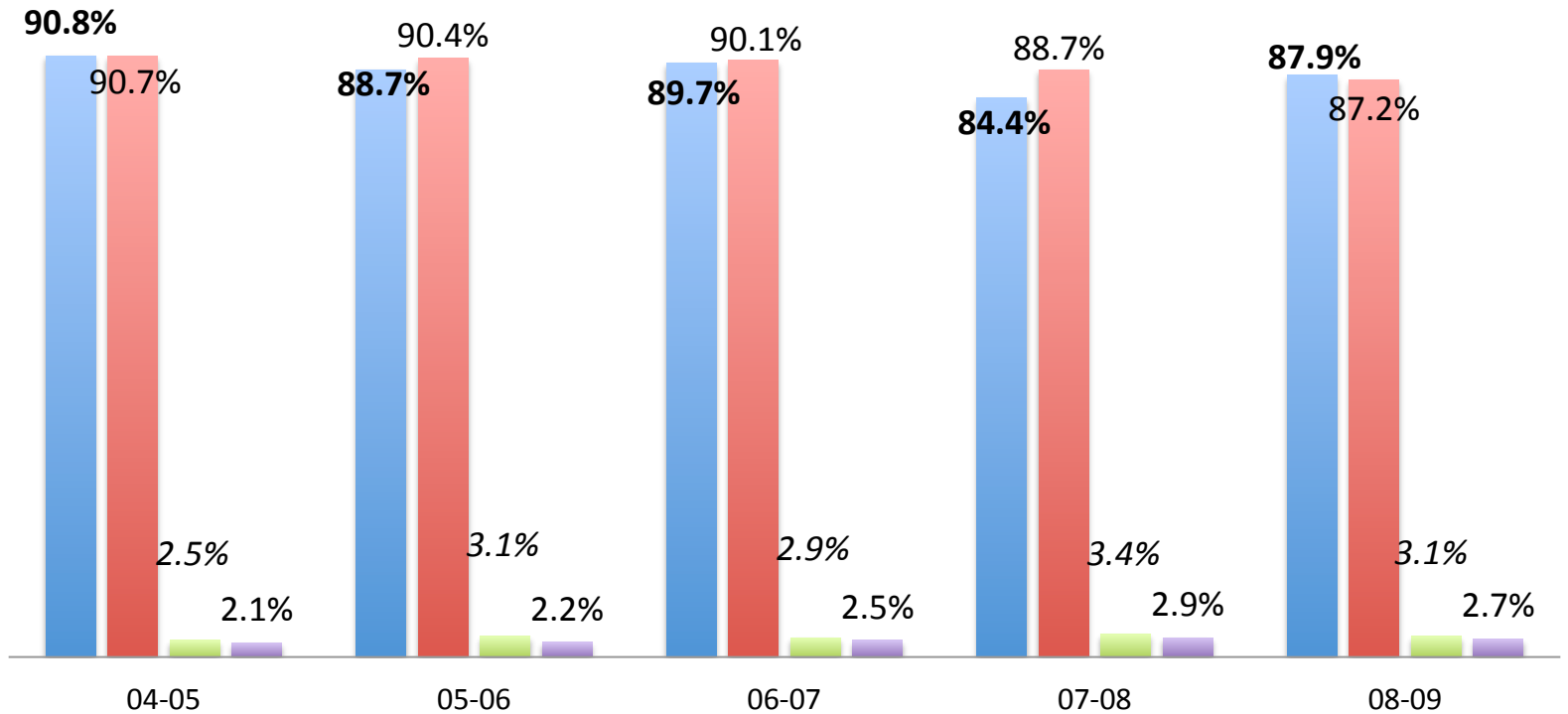
■ GHS ■ State



# Historical Grad & Dropout Rates

## GHS vs. State Grad & Dropout %'s (old)

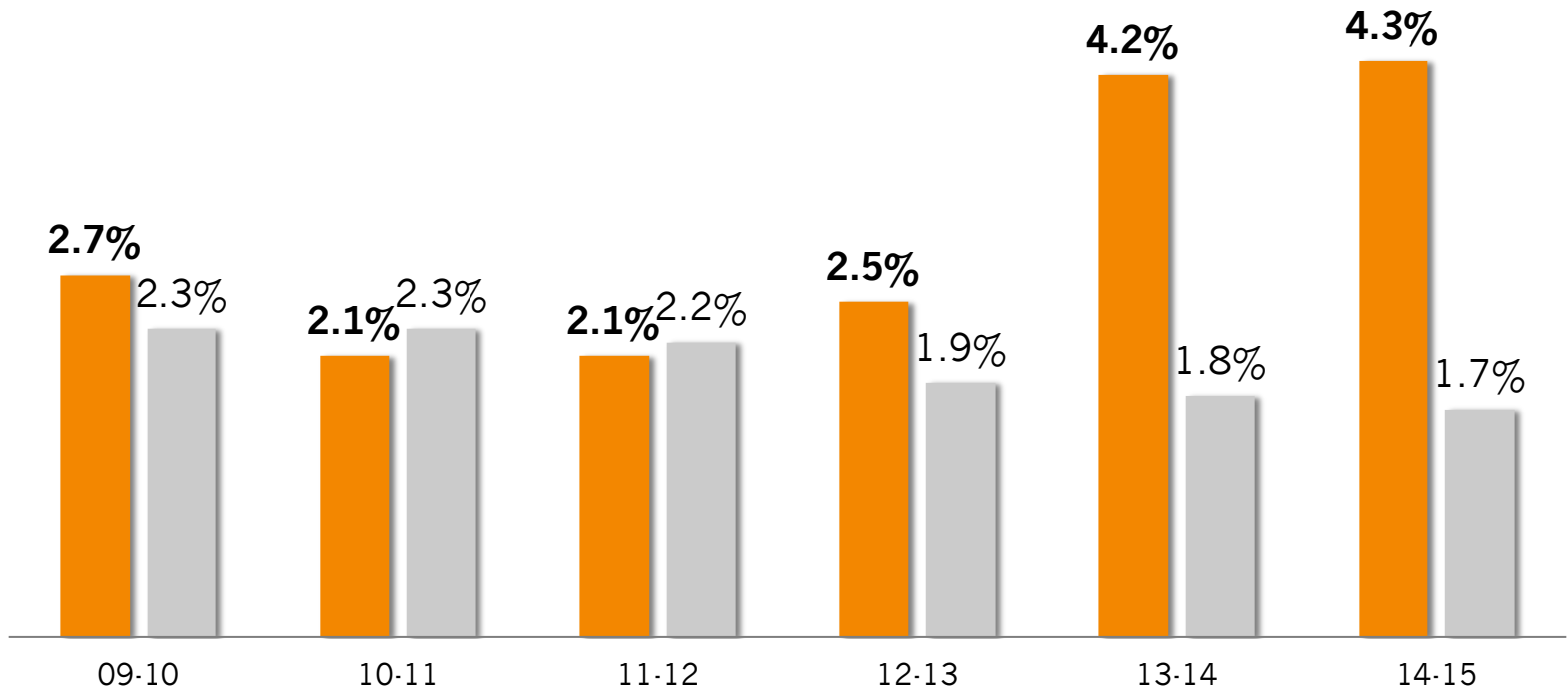
■ GHS Grad %   ■ State Grad %   ■ GHS Dropout %   ■ State Dropout %



# 2010-14 GHS & State Dropout Rates

## GHS vs. State Dropout Rates

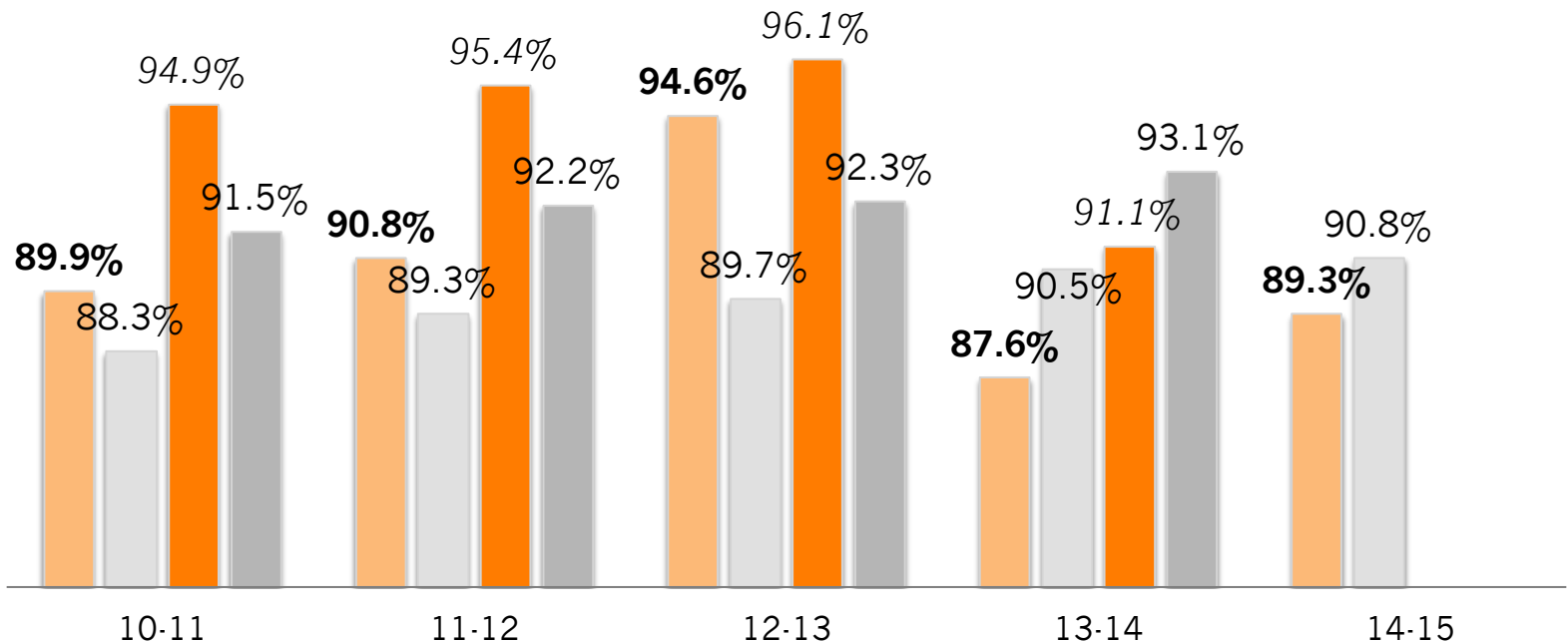
■ GHS Dropout %    ■ State Dropout %



# 2011-15 Year Grad Rates (4 & 5 year)

## GHS vs. State Grad Rates (4 yr & 5 yr)

■ GHS 4 Yr. Grad %    ■ State 4 Year Grad %  
■ GHS 5 Yr. Grad %    ■ State 5 Year Grad %



# Instructional Practices Inventory (IPI)

- IPI: tool used to measure student engagement
- Collected by a team of trained teachers
- 2-3 minute increments randomly throughout the day
- Data not “tied” to a teacher – non-evaluative & not collected by administrators

## Levels:

**6 – Student Active Engaged Learning** – Higher order learning, authentic project work, cooperative learning, problem-based learning

**5 – Student Learning Conversations** – Active conversations that construct knowledge & higher order thinking is evident

**4 – Teacher-Led Instruction** – Lecture, question/answer, discussion is teacher led

**3 – Student Work w/ Teacher Engaged** – Students are doing seatwork, bookwork, or tests – teacher assistance/support is evident

**2 – Student Work w/ Teacher Not Engaged** – Students doing work w/o support

**1 – Complete Disengagement** – Students not engaged in learning related to curr.



# GHS IPI Data: 2012-13 thru 2015-16

<b>Level Of Engagement</b>	<i>Typical</i>	<i>Most Effective</i>	<b>GHS 12-13</b>	<b>GHS 13-14</b>	<b>GHS 14-15</b>	<b>GHS 15-16</b>
<i>Level 6 – Active Engaged Learning</i>	15-20%	> 25%	<b>11.6%</b>	<b>19.1%</b>	<b>16.5%</b>	<b>14.9%</b>
<i>Level 5 – Learning Conversations</i>	3-5%	5-10%	<b>8.6%</b>	<b>10.7%</b>	<b>15.3%</b>	<b>15.6%</b>
<i>Level 4 – Teacher Led Instruction</i>	30-40%	35-45%	<b>29.0%</b>	<b>34.1%</b>	<b>38.7%</b>	<b>34.7%</b>
<i>Level 3 – Student work w/ Teacher Engaged</i>	15-20%	15-25%	<b>36.8%</b>	<b>29.8%</b>	<b>28.1%</b>	<b>31.8%</b>
<i>Level 2 – Student work w/ Teacher Not Engaged</i>	15-20%	5-10%	<b>8.1%</b>	<b>3.3%</b>	<b>1.9%</b>	<b>2.0%</b>
<i>Level 1 – Complete Disengagement</i>	5-15%	< 3%	<b>5.9%</b>	<b>2.9%</b>	<b>0.8%</b>	<b>0.9%</b>

# GHS IPI Data: 2012-13 thru 2015-16 (a different view of the data . . .)

Category	Broad Themes	Highly Successful	GHS 12-13	GHS 13-14	GHS 14-15	GHS 15-16
Levels 4, 5, & 6	Student Engaged	73.1%	49.2%	63.9%	69.5%	65.3%
Levels 1, 2, & 3	Student Disengaged	26.8%	50.8%	36.0%	29.8%	34.7%
Category	Broad Themes	Highly Successful	GHS 12-13	GHS 13-14	GHS 14-15	GHS 15-16
Levels 5 & 6	Student Engaged	32.6%	20.2%	29.8%	31.8%	30.6%
Levels 3 & 4	Teacher Directed	57.8%	65.8%	63.9%	64.8%	66.5%
Levels 1 & 2	Student Disengaged	9.5%	14.0%	6.2%	2.7%	2.9%

# Bloom's Taxonomy Level of Complexity: Walk-Through Results

Level Of Complexity	11-12*	12-13	13-14	14-15	15-16
Level 1: <b>Knowledge</b> (defines, describes, knows, recalls, etc)	16.0%	24.1%	21%	14.8%	Used Webb's DOK But didn't do a good job of keeping track of it because of marginal admin
Level 2: <b>Comprehension</b> (converts, explains, estimates, etc.)	33.3%	53.3%	51.8%	47.8%	
Level 3: <b>Application</b> (changes, constructs, demonstrates, etc.)	28.8%	47.2%	46.3%	49.5%	
Level 4: <b>Analysis</b> (compares, contrasts, diagrams, etc.)	8.1%	27%	30.7%	33.5%	
Level 5: <b>Synthesis</b> (combines, creates, designs, etc.)	3.3%	21.5%	24.1%	25.8%	
Level 6: <b>Evaluation</b> (concludes, criticizes, defends, etc.)	3.7%	12.3%	17.9%	15.9%	

\* During the 11-12 school year, each task was only given one level of complexity