

# Instructional Data Warehouse News

December 9, 2024

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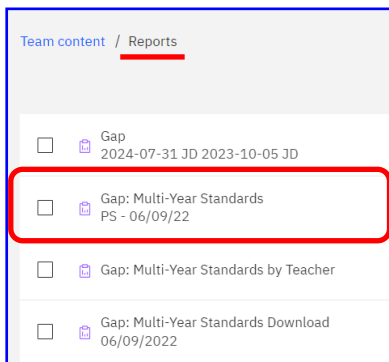
## *They're Back!* *Gap: Multi-Year Standards Reports*

by Wanda Toledo, Ph.D

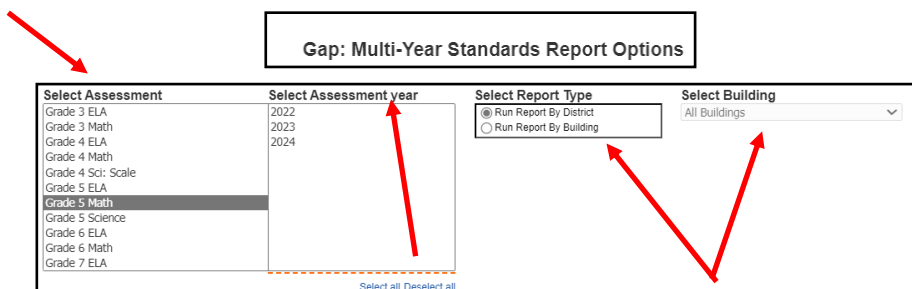
Prior to the pandemic, the IDW offered a variety of Gap reports that highlighted each district's and school's gap by grade level, content area, and question when compared to the rest of Nassau County. During the years when the New York State assessments were either not offered or represented an abridged version of the exam, the data were not available to make such comparisons. It was not until 2021-2022 that the IDW was able to once again offer the Gap Report. However, it is not until now, after we've had three consecutive years of administering the state assessments, that the IDW is able to once again offer the **Gap: Multi-Year Standards Reports**.

The **Gap: Multi-Year Standards Report** provides much insight as standards emerge as being either areas of strength or areas in need of additional support across a minimum of two years. The report groups questions across multiple years by learning standard and provides the percent correct for each question. These data are available for individual schools, districts, and the region.

To access the report, click on **Team Content**, and go to **Reports**. Next, select **Gap: Multi-Year Standards** as illustrated below:



This will lead the user to the following page with various filtering options:



### Upcoming IDW Events

#### IDW Trainings

**Achieving Equitable Outcomes**  
12/11/24  
9:00 am—11:00 am

**High School Navigation**  
12/11/24  
1:00 pm—3:00 pm

**ELL Reports: One Stop Shop**  
12/12/24  
9:00 am—11:00 am

**Gr. 3-8 Admin. Navigation**  
12/18/24  
9:00 am—11:00 am

**Register on MLP**

**To book an in-district training, please call Stephanie Witt 516-608-6623**



Department of Curriculum, Instruction and Technology

Questions? Contact: Stephanie Witt, Supervisor II, Instructional Data Warehouse  
Phone: 516-608-6623 • Email: [switt1@nasboces.org](mailto:switt1@nasboces.org)

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When examining the mathematical gaps for grade 5 during the years 2022-2023 and 2023-2024 for the district below, we notice the following with respect to one of the **NBT** (Numbers in Base Ten) standards:

Standard Category	Standard Description	Year	Question #	Item Detail	District%	Regional %	District Gap
NGLS.Math.Content.NY-5.NBT.6	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	Jun 30, 2023	10-MC	MC	75.1%	80.0%	-4.9%
			32-MC	MC	84.2%	87.1%	-2.9%
			39-CR	CR	67.0%	70.2%	-3.2%
		Jun 30, 2024	06-MC	MC (NR)	78.0%	88.6%	-10.6%
			15-MC	MC	32.2%	49.8%	-17.6%
			38-CR	CR	63.1%	74.3%	-11.1%
NGLS.Math.Content.NY-5.NBT.6 - Average					66.6%	75.0%	-8.4%

- There were 2 multiple choice (MC) questions and 1 constructed response (CR) question administered both years.
- The students demonstrated a larger gap in year **2023-2024**.
- The average gap for this standard over the course of 2 years is **8.4% below** Nassau County.

Additional information that can be gained from this report is the difficulty level of each question by looking at the percentage correct attained by the students across the region. The higher the percentage of students who answered a question correctly, the easier the question. Conversely, the lower the percentage of students who answered a question correctly, the more difficult the question. The actual test questions can be accessed by clicking on the question number hyperlinks.

Another variation of this report is the **Gap: Multi-Year Standards by Teacher** which can be accessed by going to **Team Content**, selecting **Reports**, and clicking the **Gap: Multi-Year Standards by Teacher** folder. The following filtering options are offered:

Gap: Multi-Year Standards by Teacher Report Options

**Select Report Type**

Run Report By District Next >

Run Report By Building

**Select Assessment**

Grade 5 Math Submit Assessment

**Select Assessment Year**

2018  
2019  
2022

Select all Deselect all

Submit Year

**Select Teacher**

Select all Deselect all

**Selected columns will show in the report**

Standard Description

MC/CR

District %

Building %

Regional %

District Gap

Building Gap



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This can serve as a powerful instructional and professional development tool for teachers since they are able to see their gaps to the district and the region for each question and standard as shown below:

Teacher Name	Standard Category	Standard Description	Year	Question #	MC/CR	Teacher%	District%	Regional %	Teacher Gap	District Gap	Student Count
	CCSS.Math.Content.5.NBT.B.6	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain t	Jun 30, 2022	30-MC	MC (NR)	76.5%	65.7%	72.3%	4.2%	-6.6%	17

In addition, this report allows teachers to “drill through” to their rosters to obtain information about individual students’ gaps for each question. This can be done by clicking on the teacher’s name to access the **Gap: Student Detail by Teacher** report.

**Gap: Student Detail by Teacher**

Total Distinct Student Count: 17

Teacher Name	Student Name	Student ID	Standard Category	Standard Description	Year	Question #	MC/CR	Teacher%	District%	Regional %	Teacher Gap	District Gap	Credits Earned
Teacher X	Student A		CCSS.Math.Content.4.MD.A.2	Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a la	Jun 30, 2022	<a href="#">01-MC</a>	MC	82.4%	79.8%	82.6%	-0.2%	-2.7%	1

Please note that teacher names are derived from the Level 1 tables “Course Instructor Assignment” and “Student Class Entry Exit” where a teacher is associated with a course ending in a state assessment.

The last report in this section is the **Gap: Multi-Years Standards Download** which can be accessed by clicking **Team Content**, going to **Reports** and selecting **Gap: Multi-Year Standards Download**. Users have the option of selecting one or more assessment years for a given exam as well as the ability to run the reports by district or building.

**Gap: Multi-Year Standards Download Report Options**

**Select Assessment**

- Grade 3 ELA
- Grade 3 Math
- Grade 4 ELA
- Grade 4 Math
- Grade 4 Sci: Scale
- Grade 5 ELA
- Grade 5 Math
- Grade 5 Science
- Grade 6 ELA
- Grade 6 Math
- Grade 7 ELA

[Select all](#) [Deselect all](#)

**Select Assessment year**

- 2022
- 2023
- 2024

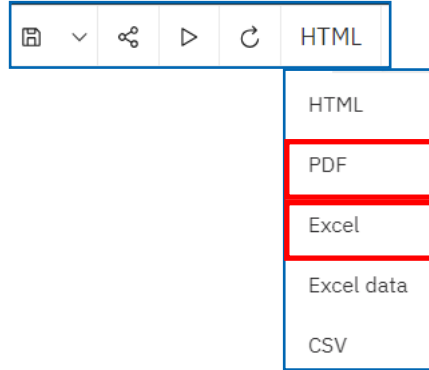
**Select Report Type**

Run Report By District

Run Report By Building

**Note:** School percentages are only available when running building reports.

The difference between this report and the Gap: Multi-Year Standards report is the option to download select data in a variety of formats. The formats used most frequently for instructional purposes are pdf (better for printing and sharing reports) and Excel (useful for sorting and filtering data) files.



As users of these reports, there are at least three important factors to keep in mind when comparing results from one year to the next—the change in learning standards, the difference in student participation rates, and the number of questions asked per standard each year. Nonetheless, the *Gap: Multi-Year Standards Reports* offer valuable information that can be used during PLC (professional learning community) meetings to identify areas of strength and those in need of additional support.

As always, IDW personnel are available to provide telephone assistance as well as virtual and in-district training for any district seeking to learn more about this newsletter, or about other best data practices. To schedule a training session or ask any IDW-related questions, please call Stephanie Witt at (516) 608-6623, Tammy Mazza at (516) 608-6633, Barbara Dwyer at (516) 608-6695, Fred Cohen at (516) 608-6640 or Dr. Wanda Toledo at (516) 608-6648.

**What's  
New in  
the IDW?**

**Look for these New & Updated IDW Reports:**

- ◆ NYSESLAT Snapshot
- ◆ College Tracking Reports
- ◆ Trends Longitudinal by Cohort
- ◆ Half-Level Performance Change
- ◆ Gap: Multi-Year Standards



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