



What can the NECAP Released Items Objects in the Education Data Warehouse (EDW) do for you?

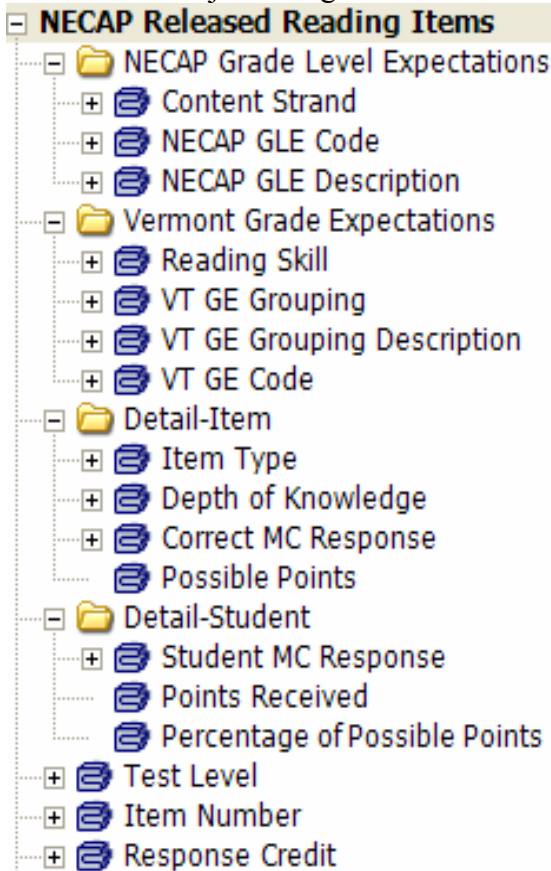
- Recreate everything in the Measured Progress paper roster reports and Excel files
- Summarize the data by Vermont GE codes and descriptions as well as other groupings
- Summarize the data across grade/test levels
- Disaggregate the data by any demographic attribute available in the EDW
- Create cohort groups of students and follow their performance on types of items over time
- With a local warehouse you can analyze the data by local attributes (demo, assessment, courses, etc.)
- Compare your school's or SU's performance to any other VT school or SU

Are there cautions for working with the data? *YES. The following two are the biggest:*

- Do not make inferences or conclusions too quickly from the data. Remember to analyze other data (local, classroom, etc.) before deciding that a particular GE or content strand is a strength or weakness.
- Do not analyze the released items over time. Each year the items released are of different levels of difficulty and may emphasize certain GEs more or less than in previous years.

Released Item Object Organization

Each released item object is organized in the same way.

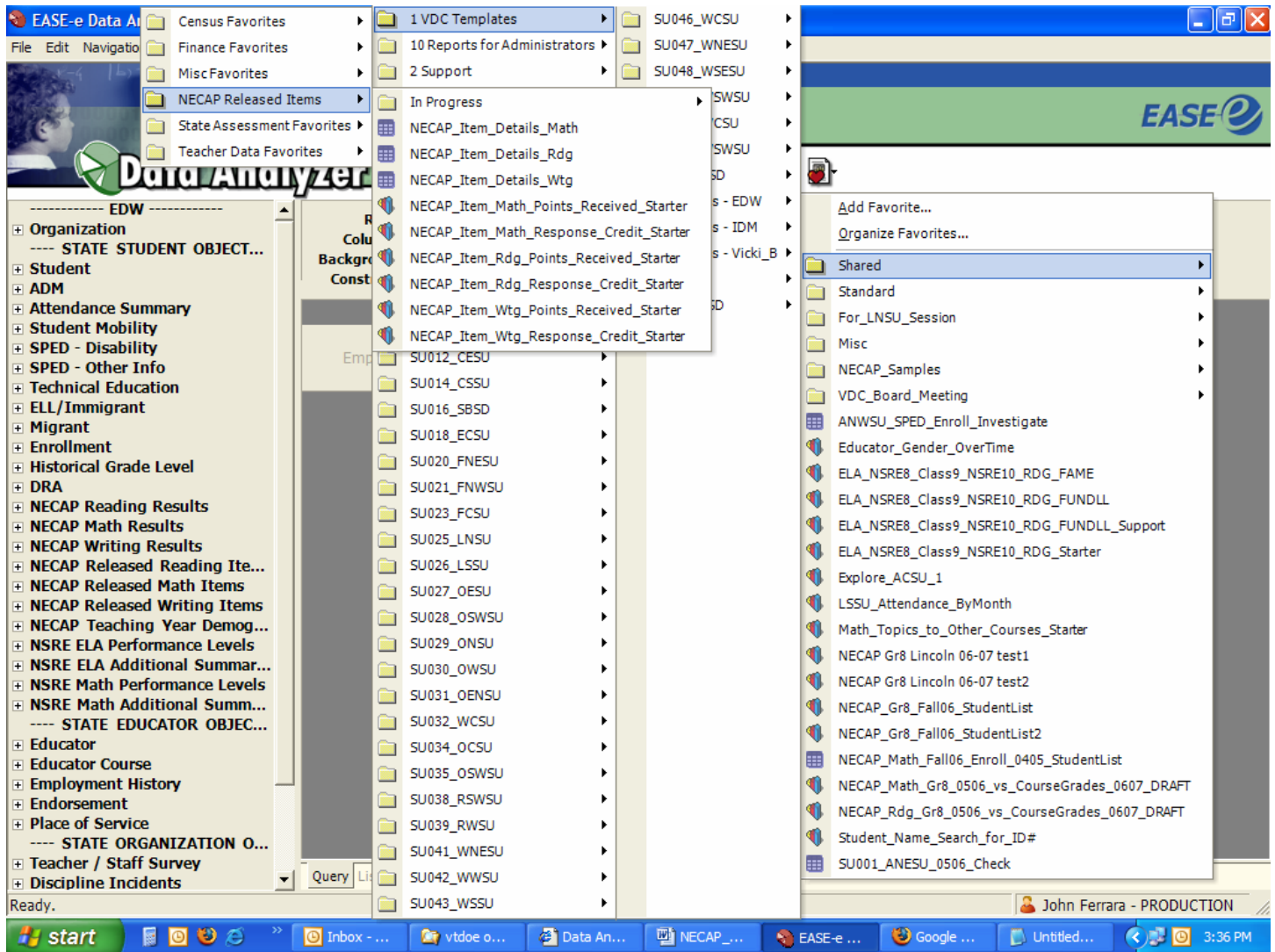


- ◀ The **NECAP GLE** folder contains attributes to aggregate the data by NECAP information similar to the Measured Progress reports but with the addition of GLE text descriptions.
- ◀ The **VT GE** folder contains attributes to aggregate the data by codes, text and categories more familiar to those that work regularly with the VT GEs. GE codes are available as attributes that allow aggregation within and across grade levels.
- ◀ The **Item Detail** folder contains info about each item similar to what is available in some Measure Progress and DOE documents. The data can also be aggregated by some of these attributes.
- ◀ The **Student Detail** folder contains attributes that describe how each student responded for each multiple choice item as well as how many points each student received on all types of items.
- ◀ The last set of attributes contains the level of the test the student was administered as well as the released item number which is key for finding the actual item in other released materials. Response Credit is a helpful high level summary of how students performed (i.e., full, partial or no credit).

Introduction to the NECAP Released Items Objects – DRAFT – 1/24/08



Shared Favorites – A group of starter favorites for the NECAP Released Items is beginning to be built. Click on the heart icon and go to *Shared-> 1 VDC Templates -> NECAP Released Items* to see the growing list of favorites and templates.



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Favorites with Details about each Item - NECAP_Item_Details_Math, NECAP_Item_Details_Rdg, NECAP_Item_Details_Wtg

These favorites give profile information about each item for each year. Included attributes for each item are:

- School Year
- Test Level
- Item Type
- Depth of Knowledge
- Correct MC Response
- Possible Points
- Calculator Allowed (math only)
- NECAP GLE Content Strand
- NECAP GLE Code
- Math Concept/Reading Skill/Writing Cluster
- VT GE Grouping Code
- VT GE Grouping Description.

The screenshot shows the EASE-e Data Analyzer - EDW application window. The main area displays a data table with the following columns: NECAP Rel..., NECAP R..., NEC..., NECAP Release..., NE..., NECAP Rele..., NEC..., NECAP Released Math It..., NECAP Released Math Items.NE..., NECAP Rel..., and NECAP Released I... The table contains 18 rows of data, each representing a specific item from a NECAP test. Below the table, there is a 'Page Size' dropdown set to 500 and a 'Total Count: 184' indicator. The bottom of the window shows the Windows taskbar with various open applications and the system clock at 3:50 PM.

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Favorites that Summarize by Full, Partial or No Credit - NECAP_Item_Math_Response_Credit_Starter, NECAP_Item_Rdg_Response_Credit_Starter, NECAP_Item_Wtg_Response_Credit_Starter

These queries give “high level” results of each individual item. Use the “Testing School” or the “Teaching School” from the appropriate NECAP Results object to summarize for individual school. Use the “Administrative Name” from the Organization object to summarize for SUs/SDs. This is a simple way to begin understanding the structure of the NECAP Released Items Objects as well as your exploration of the results. Right-click on the data results, select “Display” and the select “% of Grid Down” to change the counts to percentages.

The screenshot shows the EASE-e Data Analyzer - EDW interface. The main window displays a data table with the following structure:

NECAP Released Math It...	NECAP Released Math Ite..	NECAP Released Math Ite..	Time	
			2005-2006	2006-2007
Grade 3 Test	Item 01	Full Credit	4,351	4,418
		No Credit	1,920	2,081
Item 02	Full Credit	4,507	4,891	
	No Credit	1,764	1,608	
Item 03	Full Credit	5,089	5,719	
	No Credit	1,182	780	
Item 04	Full Credit	4,722	4,409	
	No Credit	1,549	2,090	
Item 05	Full Credit	3,651	3,971	
	No Credit	2,620	2,528	
Item 06	Full Credit	3,272	4,829	
	No Credit	2,999	1,670	
Item 07	Full Credit	4,561	4,147	
	No Credit	1,710	2,352	
Item 08	Full Credit	4,910	2,095	
	No Credit	1,361	4,404	
Item 09	Full Credit	5,653	5,160	
	No Credit	618	1,339	
Item 10	Full Credit	3,311	5,538	
	No Credit	2,960	961	

The interface also shows a left-hand navigation pane with a tree view of data objects, including Organization, Student, and Educator. The top of the window has a menu bar (File, Edit, Navigation, Office Tools, Help) and a toolbar with various icons. The bottom status bar shows the user name 'John Ferrara - PRODUCTION' and the system time '4:24 PM'.

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Favorites that Summarize by Points Received - NECAP_Item_Math_Points_Received_Starter, NECAP_Item_Rdg_Points_Received_Starter, NECAP_Item_Wtg_Points_Received_Starter

These queries give similar “high level” results of each individual item but instead of full, partial and no credit the actual points received for each item are shown. Use the “Testing School” or the “Teaching School” from the appropriate NECAP Results object to summarize for individual school. Use the “Administrative Name” from the Organization object to summarize for SUs/SDs. These queries are another easy way to begin understanding the structure of the NECAP Released Items Objects as well as your exploration of the results. Right-click on the data results, select “Display” and the select “% of Grid Down” to change the counts to percentages.

Rows: NECAP Released Math Items.Test Level; NECAP Released Math Items.Item Number; NECAP Released Math Items.Detail-Student:Point

Columns: 2005-2006, 2006-2007;

Background: Count of Student [Linked]; Results;

Constraint: ((NECAP Math Results).[Out of Level Flag] IS [On Level Test])

NECAP Released Math It...	NECAP Released Math It...	NECAP Released Math It...	Time	
			2005-2006	2006-2007
	Item 01	0	1,920	2,081
		1	4,351	4,418
	Item 02	0	1,764	1,608
		1	4,507	4,891
	Item 03	0	1,182	780
		1	5,089	5,719
	Item 04	0	1,549	2,090
		1	4,722	4,409
	Item 05	0	2,620	2,528
		1	3,651	3,971
	Item 06	0	2,999	1,670
		1	3,272	4,829
	Item 07	0	1,710	2,352
		1	4,561	4,147
	Item 08	0	1,361	4,404
		1	4,910	2,095
	Item 09	0	618	1,339
Grade 3 Test		1	5,653	5,160
	Item 10	0	2,960	961
		1	3,311	5,538

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Favorites that Summarize by Different VT and NECAP groups -

- NECAP_Item_Math_Points_Received_ByContentStrand_Starter
- NECAP_Item_Math_Points_Received_ByMathSkill_Starter
- NECAP_Item_Rdg_Points_Received_ByContentStrand_Starter
- NECAP_Item_Rdg_Points_Received_ByRdgSkill_Starter
- NECAP_Item_Wtg_Points_Received_ByContentStrand_Starter
- NECAP_Item_Wtg_Points_Received_ByWtgCluster_Starter
- NECAP_Item_Wtg_Points_Received_ByWtgType_Starter

These favorites summarize the data by Vermont or NECAP content area groupings. Use the “Testing School” or the “Teaching School” from the appropriate NECAP Results object to summarize for individual school. Use the “Administrative Name” from the Organization object to summarize for SUs/SDs. Do not make inferences or conclusions about which area is the weakest too quickly from the data. Remember to right-click and add the “All Coordinate” to your Testing School, Teaching School or Administrative Name to get a state comparison along with your local school or SU/SD results.

The screenshot shows the EASE-e Data Analyzer - EDW interface. The main window displays a data table with the following details:

- Rows:** NECAP Released Math Items.Vermont Grade Expectations:Math Concept;
- Columns:** 2006-2007; Sum of NECAP Math Points Received, Sum of NECAP Math Possible Points [Linked];
- Background:** % of Grid Across;
- Constraint:** ([NECAP Math Results].[Out of Level Flag] IS [On Level Test])

	Time	
	2006-2007	
NECAP Released Math Items.Vermont Grade...	Measures	
	Sum of NECAP Math Points Received	Sum of NECAP Math Possible Points
Arithmetic, Numbers, and Operations	35.67 %	64.33 %
Geometry and Measurement	30.87 %	69.13 %
Functions and Algebra	34.49 %	65.51 %
Statistics and Probability	28.94 %	71.06 %

The interface also shows a navigation pane on the left with a tree view of objects including Organization, Student, Attendance Summary, and NECAP Math Results. The bottom status bar shows the user is John Ferrara in PRODUCTION mode.

Introduction to the NECAP Released Items Objects – DRAFT – 1/24/08



Introduction: Since the items that are released each year don't contain the same mix of GEs and item difficulties, the NECAP Released Items objects can not be used independently to analyze the strength and weakness of content areas over time. (i.e., Caution #2). To do that you must look at the content area sub-scores located in the NECAP Results objects. These folders contain attributes that provide the raw content area scores. Since these are raw scores they also must be used with caution. One piece of information needed to use these scores are the possible points. These are currently not available in the NECAP results objects, so they are provided in the table below.

Assessment	Sub-scores	Test Level	2005-2006	2006-2007
NECAP Reading	Word ID & Vocabulary	3	20	19
		4	20	20
		5	10	10
		6	10	10
		7	10	10
		8	10	10
	Literary	3	16	16
		4	16	14
		5	21	21
		6	21	21
		7	21	22
		8	22	20
	Informational	3	16	17
		4	16	18
		5	21	20
		6	21	21
		7	21	20
		8	20	22
	Initial Understanding	3	12	20
		4	20	20
		5	26	22
		6	21	21
		7	17	18
		8	18	17
	Analysis & Interpretation	3	20	13
		4	12	12
		5	16	20
		6	21	21
7		25	24	
8		24	25	
NECAP Writing	Structures of Language & Writing Conventions	5	10	10
		8	10	10
	Short Responses	5	12	12
		8	12	12
	Extended Response	5	15	15
		8	15	15

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NECAP Mathematics	Numbers & Operations	3	35	35
		4	32	32
		5	30	30
		6	26	26
		7	20	20
		8	13	13
	Geometry & Measurement	3	10	10
		4	13	13
		5	13	14
		6	17	17
		7	15	16
		8	16	16
	Functions & Algebra	3	10	10
		4	10	10
		5	13	12
		6	13	13
		7	19	19
		8	27	27
	Data, Statistics & Probability	3	10	10
		4	10	10
		5	10	10
		6	10	10
		7	11	11
		8	10	10