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IRT-Scores in New EDW and EDW for Teachers Diagnostic Reports

In FY2011, changes were made to the **New EDW** and **EDW for Teachers** diagnostic reports to include not only the students' predicted levels, but also the Item Response Theory (IRT) scores within color-coded cells, four-digit number. Within the four-digit number, the first digit is the predicted FCAT level and the remaining three digits are the IRT score. The cell's color coding also represents the predicted FCAT level.

The IRT score is based not only on the number of questions answered correctly, but also on the pattern of questions answered correctly. Some items count more than others as a result of the questions' characteristics.

For example, students who answered correctly the same number of questions

- and answered correctly exactly the same questions receive the same final test score;
- but answered correctly different questions receive a different final test score.

As a result, the final score is reported as an IRT score.

Shown below is the Phase II **New EDW** Diagnostic-RTSDA0083 report. The red boxes show examples of Predicted Levels and IRT Scores in the Diagnostic Reading and Math sections. The new FCAT 2.0 scale was used to calculate the Fall and Winter scores shown in the report.

Diagnostics - RTSDA0083
Grouped by School Ascending on Student Name

Year: 2012 School: Grade: 04

Low 25 Counts	
Read	37
Math	37

104 Students

	Cur Grd	RFCAT	Tst Grd	Date	Dev Scr (Lvl)	Gain	RDIAG	Tst Grd	Date	IRT Scr (Pred FCAT 2.0 Lvl)	MFCAT	Tst Grd	Date	Dev Scr (Lvl)	Gain	MDIAG	Tst Grd	Date	IRT Scr (Pred FCAT 2.0 Lvl)	NCLB	P-R	M-W	P-M	S	Ret Nbr (P/R)	Econ Dis	R/E (M/F)	ELL	ESE (504)	# NCLB Grps
S	04		03	04/11	1257			04	12/11	1386		03	04/11	1689			04	12/11	3495		*	*	*	*			W			2
								04	09/11	3502							04	09/11	3516											
E	04																				*	*	*	*		Y	B		ID	4
	04		03	04/11	1428			04	09/11	2449		03	04/11	1314			04	09/11	1360		*	*	M	*			W			2
								04	12/11	2474							04	12/11	2455											
AI	04		03	04/11	1610			04	12/11	4603		03	04/11	1610			04	12/11	2445		*	*	*	*			W			2
								04	09/11	4621							04	09/11	3497											
EL	04		03	04/11	990			04	09/11	1362		03	04/11	1004			04	12/11	1338		R	*	M	*		Y	H		SLD	4
								04	12/11	2413							04	09/11	1367											
	04		03	04/11	1324			04	09/11	4546		03	04/11	1749			04	12/11	4558		*	*	*	*	1	Y	H	LY	SLD	5
								04	12/11	5642							04	09/11	4568											
LS	04		03	04/11	1257	303		04	09/11	2431		03	04/11	1134	148		04	09/11	3511		*	*	*	*	1		B	LY		3
								04	12/11	3508							04	12/11	3516											
	04																				*	*	*	*			W		AUT	3
	04		03	04/11	1282			04	12/11	2405		03	04/11	1462			04	12/11	1398		*	*	*	*		Y	M			2
								04	09/11	4563							04	09/11	3521											

IRT scores are located in the Reading Profile (Most Recent) RTSOR0036, Math Profile (Most Recent) RTSOM0037, and Science Profile RTSFS0121 reports in **New EDW** and **EDW for Teachers**. In addition, the IRT scores are located in the Only Diagnostic Reading Gains-RTTDR0423, the Only Diagnostic Math Gains-RTTDM0424, and Diagnostic Science Gains Fall to Winter-RTSDS0348 reports.