

**Government of South Australia** Department for Education and

#### Child Development

# Moving from Site Based to Centrally Based Student Assessment Data Systems

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### Issues

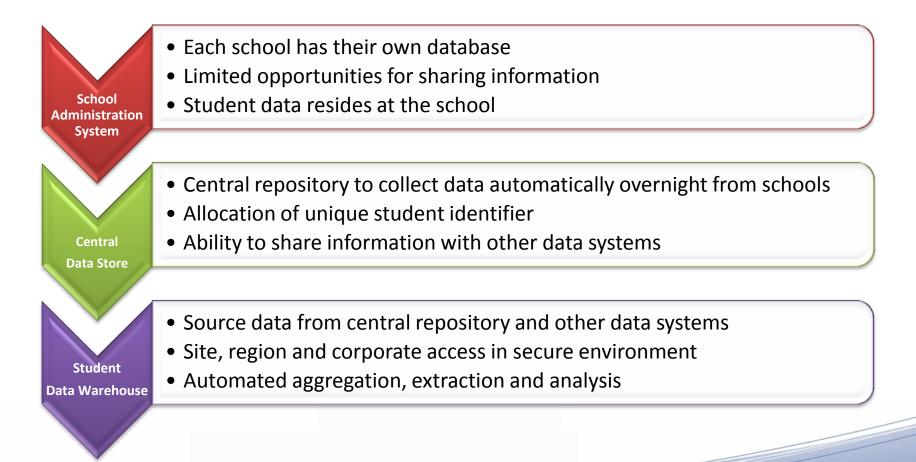
- Data not integrated within/across any level of organisation
- Schools spent time generating data to assist corporate information generation, but the real benefits of these data were not passed back
- Schools could not measure performance against benchmarks or make comparisons with other similar schools

### Getting started

Information Management Strategy

- Set of incremental projects to deliver an integrated solution
- Creation of a student data warehouse storing both aggregated and detailed information

### Creating the links



## Early beginnings

### **Literacy and Numeracy**

- A tool for educators to monitor literacy and numeracy
- Access to results over a number of years
- Students linked across years
- Demographic data linked
- Data available at student, school, region and department levels

Student Data Warehouse													
Datamart Reports 🛛 🕅 View R	port												? _ 🗆
		eracy (LaN) datamart stion Analysis Rep	ort							٨		ta 👪	• : 🗃 •
Attendance and Behaviour	Summary 1	Table	Show Grap	h									
	ol: Year: Year Level:	Test 2010 Year		I									
Datamart new Analysis	Aspect:	Read	ing										
Name  Note: Note:	Correct answers	are highlighted for each question. V	Vhen there is no hig	phlighting in qu	estions A-E,	the question req	uired a written res	ponse.					
Behaviour Management Analysis	ect <u>Number</u> <sup>4</sup>	Question	Question Proficiency Band	<u>%</u> <u>Correct</u> <u>School</u>	% Correct DECS	National Correct %	Difference School - National	Total Students Present	Total A	Total B	Total C	Total D	Total E
Links to Website Resources ?	ing RQ01	Uses background knowledge to identify a likely source of materials in a set of instructions.	03	82%	83%	86%	-4%	40	7	33	0	0	0
Vatamarc Hep and Kesources National NAPLAN Website Feedback Form	R002	Identifies the first material used in a sequence in a set of instructions.	04	60%	61%	64%	-4%	40	24	0	4	11	0
	<u>RQ03</u>	Infers the reason for one instruction in a set of instructions.	04	75%	68%	73%	2%	40	4	6	30	0	0
	R004	Recognises the use of conditional language in a set of instructions.	03	72%	74%	79%	-6%	40	4	0	29	5	0
	<u>RQ05</u>	Identifies a step where a given piece of equipment might be required in a set of instructions.	03	85%	83%	86%	-1%	40	3	1	1	34	0
	R006	Locates directly stated information in one section of a simple information text.	03	90%	94%	95%	-5%	40	2	36	0	1	0
	RQ07	Locates directly stated information in one section of a simple information text.	03	88%	90%	92%	-4%	40	3	1	35	1	0
	<u>RQ08</u>	Identifies a conditional statement in one section of a simple information text.	03	80%	87%	90%	-10%	40	32	1	3	3	0
	<u>R009</u>	Links information across two sections of a simple information text.	03	78%	77%	80%	-2%	40	31	5	2	2	0
	RO10	Links information across two sections of a simple information text.	03	70%	73%	77%	-7%	40	11	0	28	1	0

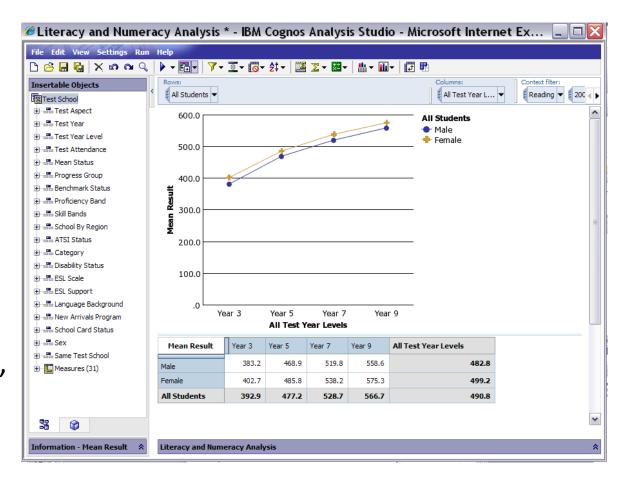
### Features

- Standard Reports
- > Analysis tool to create own reports
- > Drill down to individual student data and student test booklets
- Access to current and future student data
- All reports can be viewed in PDF or MSExcel format

	A	D E	F	G H	I	1	K	L	M	N	0	P	Q	R	1
				-											
2	2010 NAPLAN	RESULTS Y	ear	7											
h	est School														
-															
	Summary of in														
Т	he participation, score a	nd band for each	tuden	t in each NAPL	AN te	st.									
Re	esult Status			0 - Present											
				1 - Absent											
-				2 - Exempt 3 - Withdrawn											
-				4 - Absent for Ca	de				Achievemer	t holow	national	minimum stand	ard		
				5 - Absent for non-Calc				Achievement below national minimum standard. Exempt from that aspect							
									Excitipento	in that to	peer				
		Writing		Spelling			ading			ieracy			ammar		
L		Result Status Scon		Result Status Score		Result Status			Result Status	Score		Result Status	Score	Band	
	ludent 1	0 567.0	7	0 549			574.8	7	0		9	0		6	
	ludent 2	0 494.0		0 586.			537.2	7	0	509.2	6	0		7	
	ludent 3 ludent 4	0 625.3	8	0 534			530.3 544.3	7	0	525.2 557.1	6	0	518.2 518.2	6	
	udent 5	0 387.1	4	0 417			425.4	4	0	469.8	5	0	283.7	4	
	ludent 6	0 524	6	0 492			633.1	8	0	616	8	0		7	
	ludent 7	0 597	8	0 603		0		9	0	629.6	8	0		9	
	udent 8	0 524	6	0 571			559.1	7	0	519.9	6	0	537.3	7	
	udent 9	0 567.0	7	0 556			591.9	8	0	585	8	0		7	
St	udent 10	0 665.6	9	0 594	8 8	0	601.2	8	0	698.9	9	0	557.2	7	
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	ludent 12	0 480	6	0 518			559.1	7	0	551.7	7	0		6	
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				0 433.		V V	~~3.E	0	0	9.00			760.0	_	

# Analysis Tool

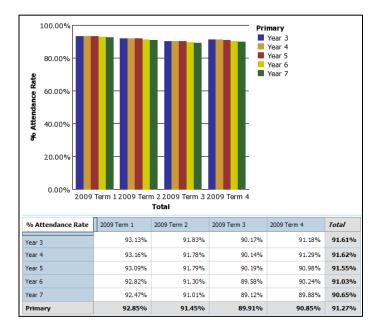
- Simply click and drag to rows, columns and context filter areas
- > Add a measure
- > Add calculations
- Add a chart
- Save to pdf, Excel, CSV or XML format



## Building on

#### Attendance & Behaviour Management

- Daily monitoring of student attendance and behaviour management available for schools, regions and the department
- Analysis of attendance and behaviour management trends across all levels of the department
- Drill down to daily analysis



### **Further Development**

### **Student Achievement**

- Repository for all standardised student assessments recorded at each site
- > Ability to analyse student achievement data at various levels

Year	Test Date	Туре	SubType	Rating	<b>Rating Description</b>	Note				
2011	1/11/2011	PM Benchmark Kit Reading	Reading Level	30	Reading Level					
	1/11/2011	Progressive Achievement Tests in Maths TEST 3	Test Booklet 3	62.8	Test Booklet 3	STANINE 5				
	1/11/2011	Progressive Achievement Tests in Science TEST 4	Test Booklet 4	123.4	Test Booklet 4	STANINE 5				
	1/11/2011	South Australian Spelling Test (Westwood)	Form B	11.2	Spelling Age	-6				
	1/11/2011	Tests of Reading Comprehension 2nd Ed.	Matches	53.1	Scale Score	STANINE 6				
	1/11/2011	Tests of Reading Comprehension 2nd Ed.	The Cats	55.4	Scale Score	STANINE 6				

### Benefits

- Access to updated data on a daily basis throughout the organisation
- Ability to monitor and provide alerts to schools for student well being
- Immediate access to student data recorded at previous schools
- Ability to analyse data at all levels of the organisation

## Implementing

- Engage stakeholders throughout the process
- Comprehensive training schedule for initial rollout
- Clearly documented user guides, training videos, instruction sheets
- > Readily available support contacts
- Ability to respond quickly to issues arising

### The issues

Network reliability
 Poor system performance
 Inefficient navigation
 Reports not meeting user needs
 Security model too restrictive



### The successes

Responding quickly to the issues

- Ability for schools to access student data recorded elsewhere
- Ability for all teachers to readily access and analyse student data at the class level
- Ability to compare and analyse student data at all organisational levels

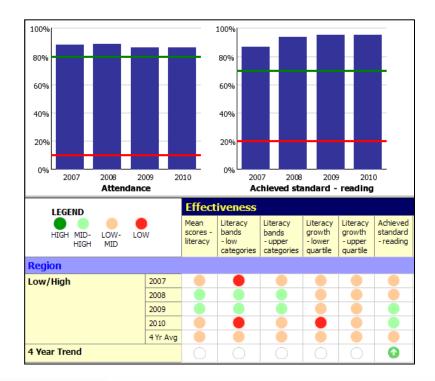
### The future

### Other data

senior secondary data
 SACE
 VET

Performance reporting
 Dashboards

> Offline access





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# *"Children and young people are at the centre of everything we do"*