Moving from Site Based to Centrally Based Student Assessment
Data Systems

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Background

No linking of student data across schools

No central student data repository

Over 600 schools

No longitudinal view of student

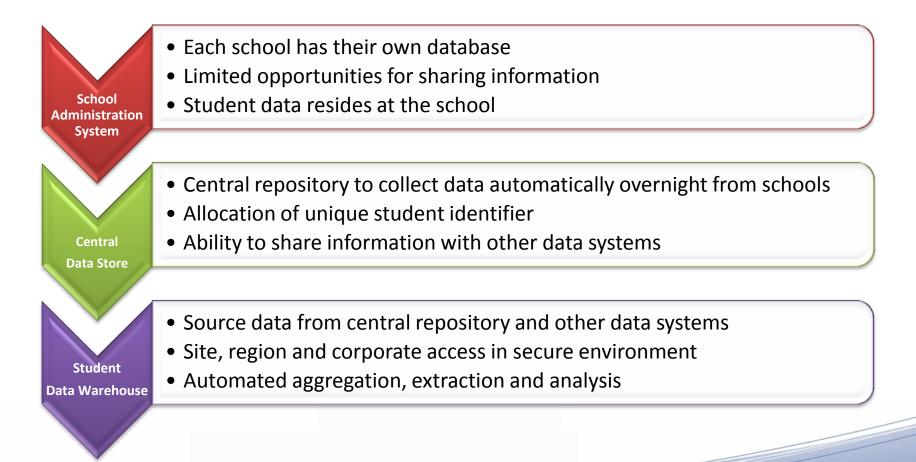No central view of student achievement

The situation we faced

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

School Administration System
- Each school has their own database
- Limited opportunities for sharing information
- Student data resides at the school

Central Data Store
- Central repository to collect data automatically overnight from schools
- Allocation of unique student identifier
- Ability to share information with other data systems

Student Data Warehouse
- Source data from central repository and other data systems
- Site, region and corporate access in secure environment
- Automated aggregation, extraction and analysis

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

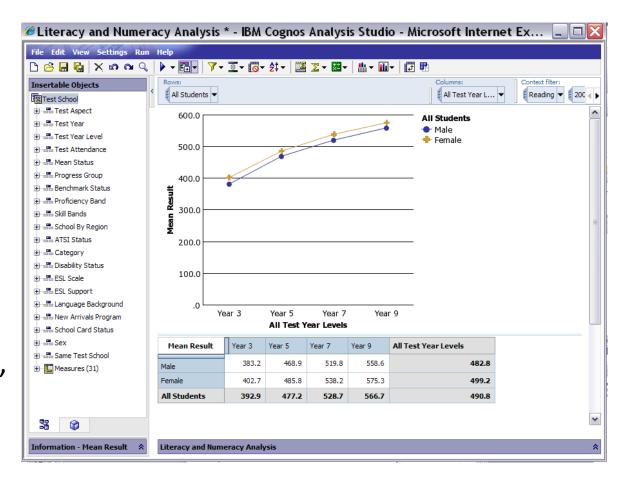➢ Data available at student, school, region and department levels

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

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

% Attendance Rate	2009 Term 1	2009 Term 2	2009 Term 3	2009 Term 4	*Total*
Year 3	93.13%	91.83%	90.17%	91.18%	**91.61%**
Year 4	93.16%	91.78%	90.14%	91.29%	**91.62%**
Year 5	93.09%	91.79%	90.19%	90.98%	**91.55%**
Year 6	92.82%	91.30%	89.58%	90.24%	**91.03%**
Year 7	92.47%	91.01%	89.12%	89.88%	**90.65%**
Primary	**92.85%**	**91.45%**	**89.91%**	**90.85%**	**91.27%**

Further Development

Student Achievement

➢ Repository for all standardised student assessments recorded at each site

➢ Ability to analyse student achievement data at various levels

Assessment of Learning

Year	Test Date	Type	SubType	Rating	Rating Description	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

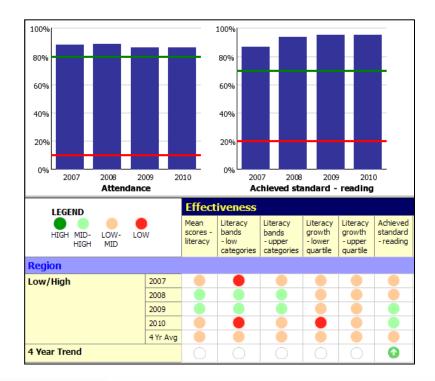➢ Ability to compare and analyse student data at all organisational levels

The future

➢ Other data
  ➢ senior secondary data
    ➢ SACE
    ➢ VET

➢ Performance reporting

➢ Dashboards

➢ Offline access

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