What is Educational Data?

Any information, textual or numerical that can be used in a systematic way to inform educational pratice.

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Contextual Student Characteristic Data

Some ways you can collect this data

- Enrolment information
- Student profiles
- Linguistic background
- Parent surveys and meetings
- Attendance roll

What can the data tell me?

How many students are bi-lingual?

Which students consistently miss more than one lesson per week?

Which students have been identified as at-risk academically? Socially?

Student Achievement Data

Some ways you can collect this data

- Observation
- Checklists
- Portfolios
- Work samples
- Previous records
- Class records

What can the data tell me?

What learning was observed during class today?

Which students do I need to revisit today's maths concepts with?

How did the Year 4 students in my class perform on the authentic writing task?

How are Year 7 students progressing with skills of Working Scientifically in science?

When educators engage with educational data in skillful, robust ways student academic and wellbeing outcomes are more likely to improve.

Good data is...

Complete

Accurate

Relevant

Timely

Interpretable

Secure

Using multiple measures - triangulating the data...

Different data sets can be used to explore a variety of questions and topics. Combining datasets can provide educators and schools with more complex and in-depth picture of what is occurring. Which datasets you choose are determined by the specific question you are wanting to answer.

Are literacy practices implemented in your geography class having an effect on student engagement and achievement?

Student Achievement   Perception   Contextual

Do social connections translate to improved student outcomes?

Student Achievement   Wellbeing   Perception

Do students who participate in co-curricular activities perform better academically than those who don't participate?

Student Achievement   Contextual   Wellbeing

Student Wellbeing Data

Captures social and emotional learning and development: connectedness to school, student morale, student safety, perceptions of relationships and classroom behaviour.

Some ways you can collect this data

- Surveys
- Focus groups
- Sociograms
- Conversations
- Observations
- Collaborative planning meetings

What can the data tell me?

How are Year 9 students best engaged during mathematics class?

What do the Stage 3 students feel most connection with at this school? To whom are the students most connected?

Where do students feel safest in this school?

Perception Data

Some ways you can collect this data

- Surveys
- Observation
- Checklists
- Portfolios
- Work samples
- Class records

What can the data tell me?

What are parent/student/staff perceptions about:

- learning culture
- use of resources
- pedagogical practices
- differentiated teaching and learning practices
- wellbeing
- use of data decision making processes
- community partnership
- teacher student relationships
- student engagement
- inclusive practices