

# Research, Data and Analysis

What we do



**NSW**  
**EDUCATION**  
**STANDARDS**  
**AUTHORITY**

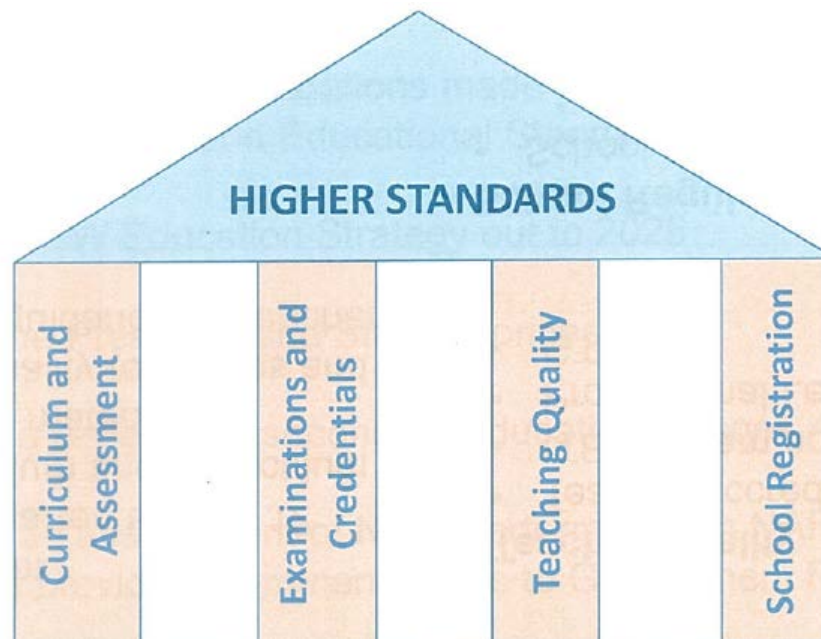
**Research, Data and Analysis Team**  
**09 November 2017**

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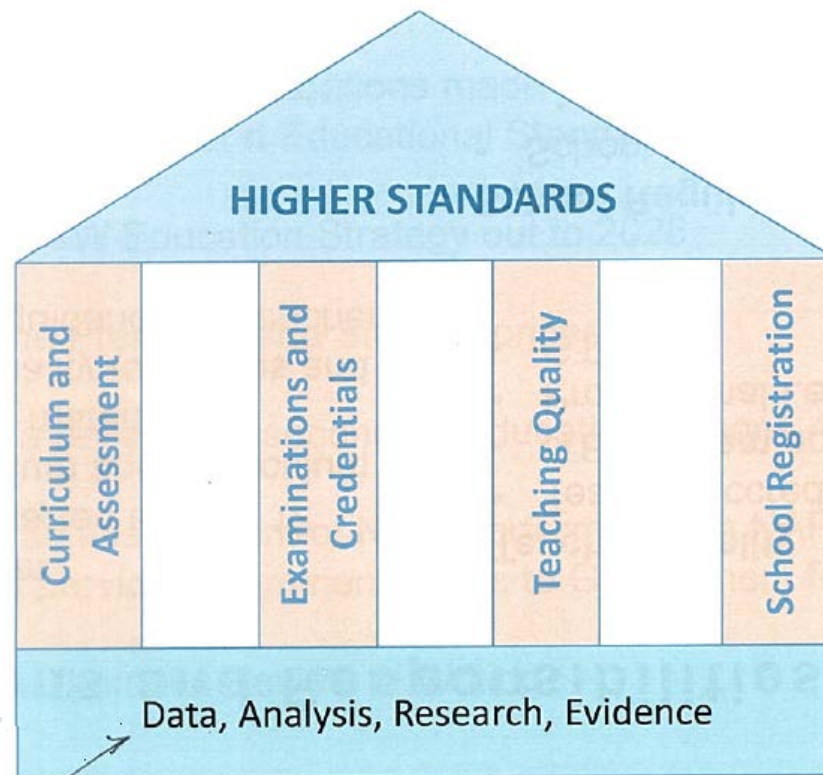
## Overview of our role

- ▶ Small team
- ▶ Support all four pillars of NESAs



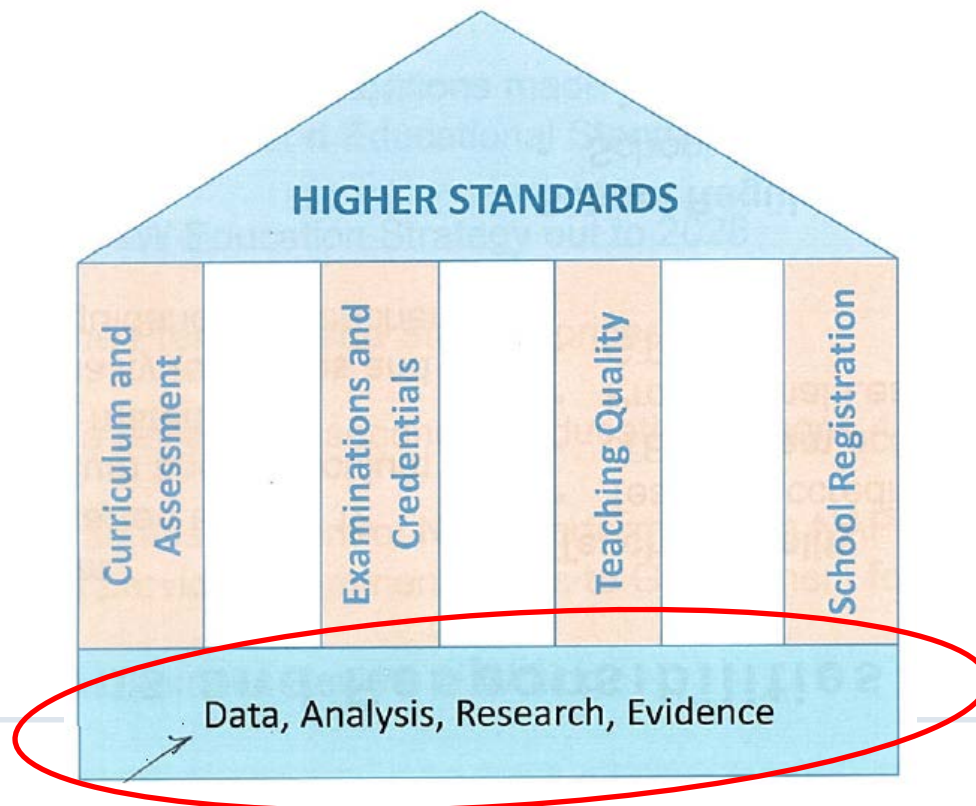
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► Strategic Plan – three key initiatives:

- Develop and implement a NESA Research and Data Analysis Strategy.
  - Implement a program of strategic research and data analysis projects to generate the development of NESA policies and programs that support improvements in the quality of teaching and student learning.
  - Establish a NESA consortium of Research Partners, which will include universities, school sector experts and other professional groups.
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**DATA**

## Data Sources

- Examination System
- Teacher Accreditation CRM / eTAMS
- NAPLAN

The Examination System and the Teacher Accreditation CRM are examples of administrative data.

It's easy enough work out:

- how many teachers/students there are;
- what courses they are studying; and
- what PD they are doing;

but the answer will change daily.

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# Examination System

**HIGHER SCHOOL CERTIFICATE**  
Record of Achievement



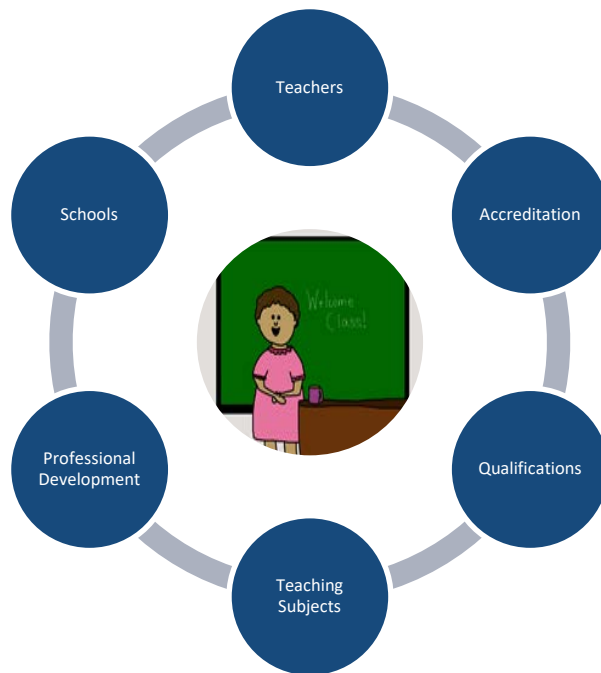
This is to certify that  
**Sample Student**  
of  
**Sample High School**  
has met the requirements of the Higher School Certificate and has  
received the results shown below.

**STAGE 6 HSC COURSES**

Year	Course	Examination Mark	Assessment Mark	HSC Mark	Performance Band
2014	Ancient History (2 unit)	100	93/100	95	5
	English (Advanced) (2 unit)	91/100	94/100	94	5
	English Extension 1 (1 unit)	91/90	43/50	86	5A
	History Extension (1 unit)	49/50	45/50	47	5A
	Latin Continuers (2 unit)	91/100	85/100	84	5
	Mathematics (2 unit)	81/100	81/100	81	5
2015	Modern History (2 unit)	95/100	93/100	94	5
	Studies of Religion (1 unit)	45/50	45/50	44	5



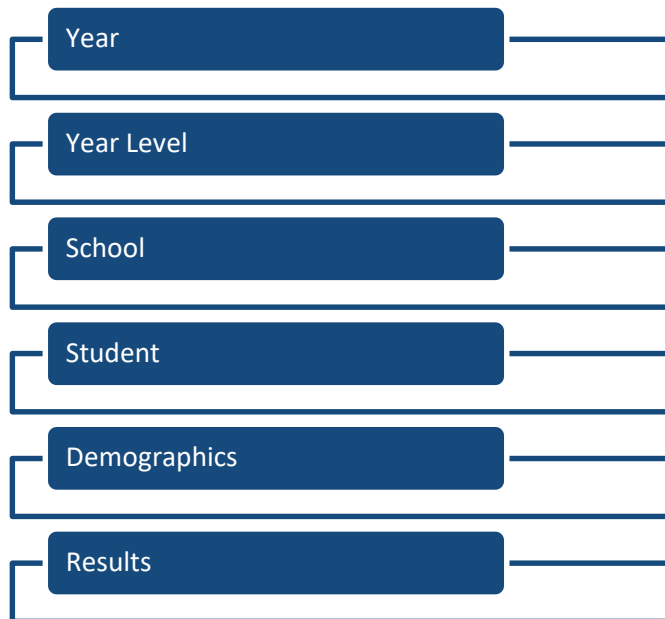
# Teacher Accreditation



Currently contains data for about 90,000 teachers (early childhood through to high school)

The amount of data will probably double as pre-2004 teachers are accredited from next year.

# NAPLAN



NAPLAN data supplied annually

Student information is supplied for each test episode

There are some issues with uniquely identifying students across each test episode – especially if they move between sectors as a new SRN can be allocated.

## Schools

NESA allocates a unique identifier to each school and campus

So does the DoE, Australian Government DoE, ACARA and NAPLAN

We spend a lot of time keeping track of all identifiers

```

W1E111759          Work with School Cross Reference

School Number.. 08851 Balgowlah Boys Campus

      Cmp xRef          xRef
Op Id. Code  Table Entry Name      Alpha
___
      JURIS Jurisdiction ID        0531_8851
___
      ACARH ACARA Head School ID    40496
___
      ACAR  ACARA school ID         41352
___
      DEEW  DEEWR School ID         7692
___
      DEEWH DEEWR Head School ID    7710
    
```

Schools in the CRM also have multiple identifiers

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## Who wants NESA data?

### External Researchers

- Health Research
- PhD Students
- Academics in Education

[Applying for data](#)

### Government Departments

- DoE (CESE)
- Department of Industry
- ACARA
- ACACA projects

These all require a Memorandum of Understanding, Privacy Impact assessment, detailed data schedules, and conditions of use and publication.

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**THANK YOU**



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