DISCOVERING DATA EXTENSION ELECTIVE

HOW WILL I BENEFIT FROM STUDYING DISCOVERING DATA?

This latest subject in the project based Aspire series looks at how a number of professions use data to make decisions about important research queries. These questions are examples of the type used when examining and analysing data:

- What services does the Australian population need in 10, 20, 30 years' time?

- What is the price of anonymity and is it worth paying for?

- How do we know whom a new product will appeal to?

- How do we know that a vaccine is effective before we use it on millions of people?

You will learn how to analyse, visualise data, draw conclusions, and present your findings. These skills will be found in many of your senior subjects.

WHAT ARE THE TOPICS IN YEAR 9?

Semester 1: Data & Demographics

- What follows the global human population boom?
- How do you design a community that is adaptive to change?

Semester 2: Data & Sport

- What makes an athlete elite?

- Is a team of champions better than a champion team?

WHAT ARE THE TOPICS IN YEAR 10?

Semester 1: Data & Business

- How can trade be win/win?

- How do you value a commercial relationship?

Semester 2: Data & Health

- What does success look like?

- Is it better to incorrectly tell someone who is well that they are sick or to tell someone who is sick that they are well?

WHAT IS THE ASSESSMENT?

Project Based Learning is used to assess students in this subject. Students will apply their learnt skills to complete a project in each topic. Responses include: essay, scrubbing and scraping data, graphing, statistics, graphics and coding.