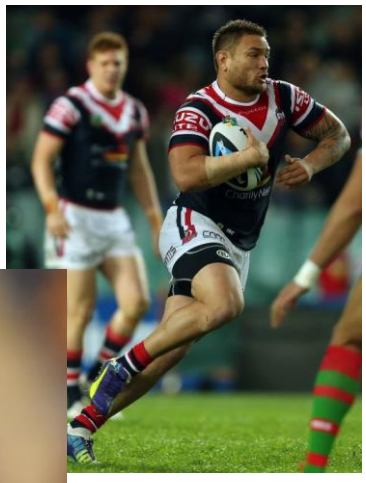
Year 7 Maths Investigation

Super Teams –Individual Project

Background Knowledge:

Sport and the way our favourite players join our favourite clubs has changed forever. Statistics and data now play a major part in recruiting elite players into teams within the NRL. Sport no longer relies on the word of a recruiter to make a judgement call on what they think of a player's ability and talent. The NRL's player recruitment process now includes vast amounts of data analysis where coaching staff and sports scientists review player statistics collected to an astonishing level. The game has changed!

In this investigation, you are required to select 17 players and build your own 'Super' Rugby League team based on player analysis and statistical data. You will need to research and compare players for your Rugby League side and select the best player from the data available. Throughout this investigation we will be investigating real world data that the NRL and their clubs have collected.



Y**ou are to focus on the <u>statistics and data.</u>** Don't fall into the trap of selecting your favourite player or team. Statistically they may not be the best choice for your dream team.

Maths Investigation

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Investigation Question:

Can you build a 'Super Team' of Rugby League players whilst only using data and statistics?

Task:

- Your major task in this investigation is to create a team of 17 rugby league players from the existing NRL clubs using only data and statistics as the decision-making tool in player selection.
- Players must be selected based on data that is important to the specific position they play in.
- Presentation of the investigation may be delivered via a short video, report, or a PowerPoint. You need to include **comparative graphs from excel**, **images and text** in your presentation.

Student Tasks:

- Task 1: Player Comparison Task
- Task 2: Team Selection and Justification task
- Task 3: Presenting Data
- Task 4: Mean, Median, Mode and Range task
- Game explanation Task - Optional
- Positional Explanation Task - Optional
- Student evaluation task