

<b>Year 9 Mathematics Sports Analysis</b>	<b>Strand: Statistics Investigation.</b>
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<b>Key Competencies</b>	<b>The Learning Context</b>
Thinking. Relating to others.	<p><b>Key Questions:</b></p> <ul style="list-style-type: none"> <li>- How is individual performance tracked in team sports?</li> <li>- How are statistics used in performance tracking in sport?</li> </ul> <ul style="list-style-type: none"> <li>• View a team sport game and analyse, for example a rugby match with a ½ time analysis. <ul style="list-style-type: none"> <li>- Who gathers this data?</li> <li>- How is the data gathered?</li> <li>- What benefits/conclusions/concerns can be drawn from the data?</li> <li>- Why is the data relevant?</li> </ul> </li> <li>• Investigate who does this analysis and connect with the organisation or individual for an interview/visit and sit in on a session etc.</li> <li>• Approach a school/community based sports team/s with the idea of carrying out a match analysis for them. <ul style="list-style-type: none"> <li>- Plan a meeting with the team coaching/management group.</li> <li>- The teacher should facilitate the meeting to ensure clear objectives are set and planning for statistical data collection occurs.</li> </ul> </li> <li>• Carry out the investigation, analyse the data, develop the team management feedback and a presentation process.</li> <li>• Present the analysis to the team and coaching/management group.</li> </ul> <p><b>Possible development:</b></p> <ul style="list-style-type: none"> <li>• Negotiate to continue the analysis over the season to enable deeper insights and different statistical analysis tools to be used.</li> <li>• Feedback from coaching and management staff to provide feedback to contribute to learning and assessment.</li> </ul>
<b>Enterprising Attributes</b>	
Negotiation. Problem solving. Effective communication. Focus on future outcomes. Creative and lateral thinking. Decision making.	
<b>Content</b>	<b>Assessment Ideas</b>
Learn to use the statistic enquiry cycle. Develop their statistical literacy. Learn to Evaluate statistical investigations.	<ul style="list-style-type: none"> <li>• Student self assessment.</li> <li>• Analysis report and presentation.</li> </ul>