**Biomechanics Year 2 assignments**

Assignment 1

* Describe the 5 key descriptors of linear motion.
* Using practical examples explain how linear motion is created & utilised in sport.
* Plot a linear motion graph demonstrating an action, or sequence, from your sport. Note & describe key events that occur on this graph.
* Describe the 3 key descriptors of angular motion.
* Explain how angular motion is created & using practical examples explain how it is used to our advantage in sport.

Assignment 2

* Produce a motion analysis study on a projectile in a sport of your choice. This should include linear and angular motion examination. It should also demonstrate fluid mechanics and projectile motion analysis.

Assignment 3

* Critically evaluate how sports people use the Bernoulli principle, downward force, spin and magnus force to maximise their performance.