

****The Science Behind Spin Bowling: The Magnus Effect****

Spin bowling involves delivering the ball with extra revolutions, causing it to dip unexpectedly. The Magnus effect explains this phenomenon:

- * As the ball spins, it separates the incoming air into two streams.**
- * The lower stream flows smoothly with the spin, while the upper stream experiences turbulence.**
- * This creates a pressure difference, with a higher pressure zone above the ball and a lower pressure zone below it.**
- * According to Newton's third law, the pressure difference generates a downward reaction force, making the ball dip and land earlier than anticipated.**
- * This effect is evident in various sports, such as cricket, tennis, and golf.**