

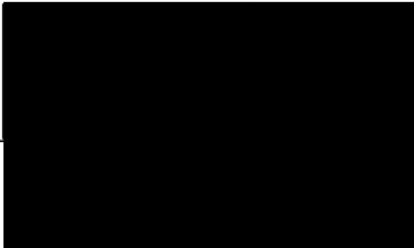
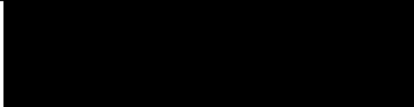


**FORMER FRIENDS SCHOOL FIELD  
CRICKET BALL STRIKE ASSESSMENT**



**BALL STRIKE ASSESSMENT– FORMER FRIENDS SCHOOL FIELD – CRICKET PITCH**

<b>CLIENT</b>	Chase New Homes
<b>SITE ADDRESS</b>	Mount Pleasant Rd, Saffron Walden CB11 3EB
<b>CLIENT CONTACT</b>	Chad Neaves

<b>REPORT NUMBER</b>	LSUK.25-0134_CBA	
<b>VERSION NUMBER &amp; DATE</b>	2.0	16/04/2025
<b>REPORTED BY</b>		Toby Smith Special Projects Consultant
<b>APPROVED BY</b>		Tom Would Consultant

<b>INTRODUCTION</b>	<p>To assess the potential risk of cricket balls surpassing the boundaries of a cricket pitch and football pitches at Former Friends School Fields, Labosport Ltd has reviewed the site distances and topography to analyse the risk of balls surpassing the site boundaries. The analysis uses a cricket ball trajectory model that has been developed by Labosport, in collaboration with the ECB. If required, the report will identify the height of any ball trajectory mitigation to minimise the potential risks.</p> <p><b>Note:</b> This is a desk study, Labosport have not visited the site, taken measurements, or carried out a visual inspection. All measurement information has been provided by the client and any error in measurements are not the responsibility of Labosport. This assessment is undertaken on the basis of accurate data.</p>
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**References**

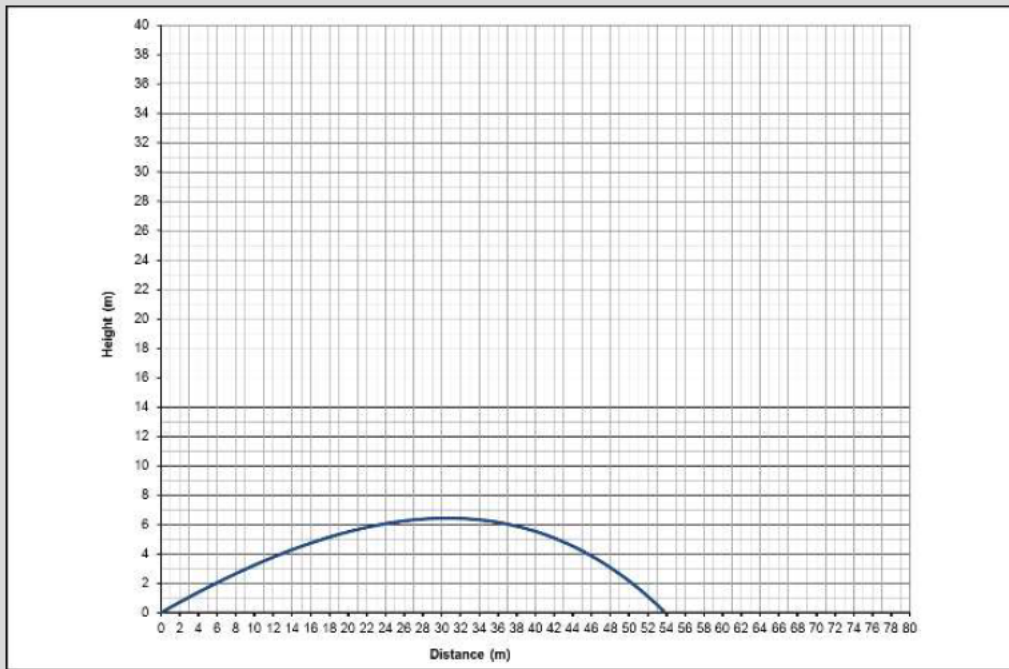
Asai, T., Seo, K., Kobayashi, O. *et al.* Fundamental aerodynamics of the soccer ball. *Sports Eng* 10, 101–109

Sterzing, Thorsten, and Ewald M. Hennig. "The influence of soccer shoes on kicking velocity in full-instep kicks." *Exercise and Sport Sciences Reviews* 36.2 (2008): 91-97

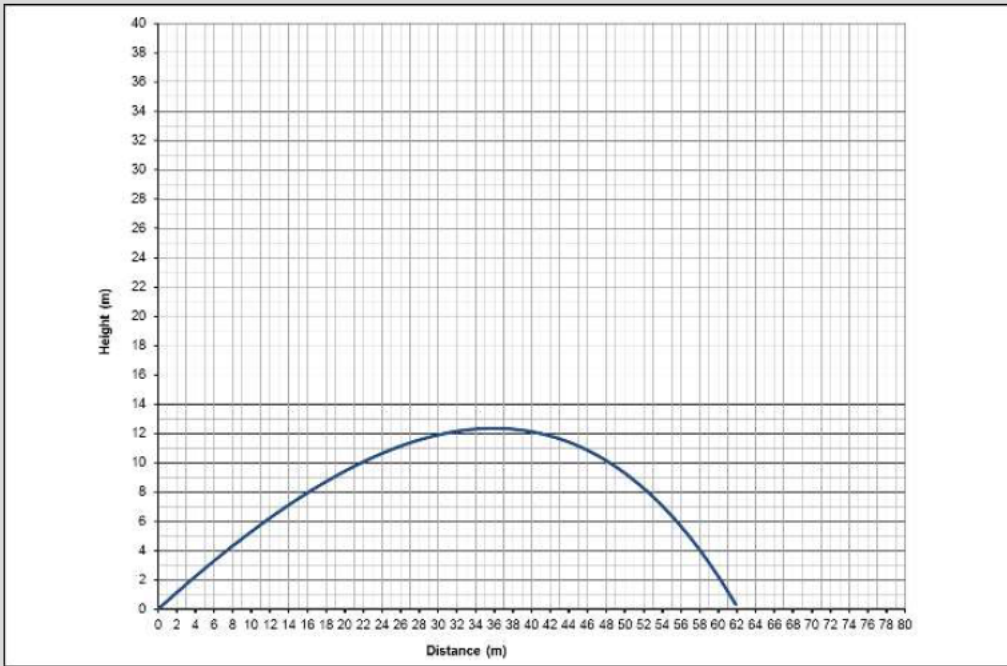
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**Appendix A – Typical Example Trajectories**

**20 ° @ 40 m/s**



**30 ° @ 40 m/s**



**40 ° @ 40 m/s**

