

Physical Education Studies sample examination

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The marking key for the final sample exam paper for Physical Education Studies contains an error in the extended response section of question three.

The corrected marking key is available in Attachment 1 (below). The corrections are in bold text.

Please print and replace the relevant page in the marking key previously sent to schools.

ATTACHMENT 1

Correction to Extended Response Marking Key

Question 3:

Explain the different trajectories using movement (biomechanical) principles (you may use diagrams to illustrate your response).

(10 marks)

Description	Mark
<i>A backspinning ball will travel through the air with more horizontal displacement than a ball with no spin.</i>	1
The backspinning ball will have relatively high air velocity on top of the ball and low air velocity under the ball	1
The backspinning ball will have relatively high (LOW) air pressure on top of the ball and low (HIGH) air pressure under the ball	1
<i>The spin results in a Magnus force in an upwards direction that causes the ball to travel further horizontally</i>	1
<i>Further mark for diagram (pictured below), which includes the above points</i>	1
<i>A topspinning ball will travel through the air with less horizontal displacement than a ball with no spin.</i>	1
The topspinning ball will have relatively low air velocity on top of the ball and high air velocity under the ball	1
The topspinning ball will have relatively high air pressure on top of the ball and low air pressure under the ball	1
<i>The spin results in a Magnus force in a downwards direction that causes the ball to drop towards the ground faster than a ball with no spin and less distance horizontally</i>	1
<i>Further mark for diagram (pictured below) that includes the above points</i>	1