

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

| | | | | | | | | | | |
|-----------------------|-----------------------------|------------------|-------------|----------------|------------|-------------------------|----------|----------|--|--|
| Unit Title | The Physics of sport | Unit Code | G626 | Session | Jan / June | Year | 2 | 0 | | |
| Centre Name | | | | | | Centre Number | | | | |
| Candidate Name | | | | | | Candidate Number | | | | |

Evidence: The candidate needs to produce evidence of their investigation into the physics of sport.

| Criteria | | | Teacher Comment | Mark | Page No. |
|---|---|--|-----------------|------|----------|
| <p>AO1.1: Candidate will demonstrate some knowledge and understanding of the facts, phenomena and principles involved in the unit in their</p> <ul style="list-style-type: none"> • 'Measurement in Sport' leaflet; [0 1 2] • 'Seeing in Sport' leaflet; [0 1 2] • 'Movement in Sport' leaflet; [0 1 2] • 'Technique in Sport' leaflet; [0 1 2] | <p>AO1.2: candidate will demonstrate an extensive knowledge and understanding of the facts, phenomena and principles in their leaflets; there may be minor omissions but there are no serious scientific errors in their</p> <ul style="list-style-type: none"> • 'Measurement in Sport' leaflet; [3] • 'Seeing in Sport' leaflet; [3] • 'Movement in Sport' leaflet; [3] • 'Technique in Sport' leaflet; [3 4] | <p>AO1.3: candidate will demonstrate comprehensive and detailed knowledge and understanding of the facts, phenomena and principles in their</p> <ul style="list-style-type: none"> • 'Measurement in Sport' leaflet; [4 5] • 'Seeing in Sport' leaflet; [4 5] • 'Movement in Sport' leaflet; [4 5] • 'Technique in Sport' leaflet; [5 6] | | | |
| <p>AO2(a).1: Candidate will produce an Equipment in Sport presentation which shows some relevant physical principles relating to the choice of material for specific sports equipment showing corrected spelling, punctuation and grammar;</p> <p>[0 1 2]</p> | <p>AO2(a).2: candidate will produce an Equipment in Sport presentation which shows that they can identify the relevant physics principles relating to the choice of material for specific sports equipment; although there may be minor errors and omissions, their explanations will be clear and accurate, mainly with correct spelling, punctuation and grammar;</p> <p>[3 4]</p> | <p>AO2(a).3: candidate will produce an Equipment in Sport presentation which shows that they can accurately identify the underlying physics principles relating to the choice of material for specific sports; candidate will correctly use the principles to give a clear, accurate and logical explanation, spelling, punctuation and grammar is correct.</p> <p>[5 6]</p> | | | |

| Criteria | | | Teacher Comment | Mark | Page No. |
|--|--|---|-----------------|--|----------|
| AO2(b).1: Candidate will show that they can perform a number of simple calculations using provided data, relating to the physics of sport; [0 1] | AO2(b).2: candidate will show that they can perform a number of simple and complex calculations using researched data relating to the physics of sport, and their use of mathematics is generally accurate and correct; [2 3] | AO2(b).3: candidate will show that they can perform a number of simple and complex calculations using researched data, relating to the physics of sport, and use mathematical techniques confidently, accurately and appropriately and where relevant to enhance the explanations in experimental investigations. [4] | | | |
| AO3(a).1: Candidate will show that they can plan two investigations and provide evidence that they can conduct them safely using risk assessments; candidate will show that they have used a range of equipment; [0 1 2] | AO3(a).2: candidate will show that they can plan two investigations and provide evidence that they can conduct them confidently and safely; candidate will produce and follow risk assessments; candidate will show that they have used a range of equipment and techniques; [3 4] | AO3(a).3: candidate will show that they can plan and conduct two investigations safely in accordance with their risk assessments which are comprehensive, and use equipment to the appropriate degree of accuracy; candidate will show that they have used a wide range of equipment and techniques. [5 6] | | | |
| AO3(b).1: Candidate has obtained and recorded some valid data; [0 1 2] | AO3(b).2: candidate has obtained adequate valid data and repeat measurements; candidate has recorded data in a suitable form and usually to an appropriate degree of precision; [3 4] | AO3(b).3: candidate has obtained ample valid data and repeat measurements; candidate has recorded data clearly and to an appropriate level of precision. [5 6] | | | |
| AO3(c).1: Candidate has suitably processed and interpreted results and drawn basic conclusions; [0 1 2] | AO3(c).2: candidate has accurately processed and interpreted results drawing conclusions relating to the investigations; [3 4 5] | AO3(c).3: candidate has accurately processed and interpreted all results in detail and drawn logical conclusions, discussing their significance to the investigations, evaluating where appropriate. [6 7] | | | |
| Total/50 | | | | | |
| If this work is a re-sit, please tick | Session and Year of previous submission | Jan / June | 2 0 | Please tick to indicate this work has been standardised internally | |

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).

A completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator.

Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and also enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.