**Science 1.1 AS 90940** Demonstrate understanding of aspects of mechanics



Writing Excellence answers to **Net Force** questions

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| **Net Force QUESTION** | |
| **Question:** Referring to your force diagrams in part (b), explain the link between    the **net force** acting on the runner in sections A, B, and C of the graph, and the  type of motion.  In your answer you should:  • describe what is meant by net force  • explain the link between net force and motion for EACH section  • compare the direction of the net force and the direction of the motion for  EACH section. | |
| **ANSWER** | |
| 1. give the **definition** for Net force |  |
| 2. link the **size** and **direction** of the forces (arrows) to the size of the Net force |  |
| 3. link the **Net force** to your example |  |
| 4. link Net force to **acceleration** |  |
| 5. link Net force to **deceleration** |  |
| 6. link Net force to **stationary** motion and **constant speed** |  |
| 7. discuss section **A** linked to Net force and the size of the forces name them) |  |
| 8. discuss section **B** linked to Net force and the size of the forces name them) |  |
| 9. discuss section **C** linked to Net force and the size of the forces name them) |  |

NOTE: The white column is how your answer would appear on your test paper so make sure you **write out complete sentences**. The grey area is just to help you structure your answer and would not appear in the question.