











| Building Energy Performance   |   | Scotland  |
|---|---|---|
| Energy Performance Certificate  | Calculated asset rating using iSBEM v3.5.a [SBEM]                                 | Building type<br>Secondary school   |
|   | <b>Current rating</b>   |   |
|   | <b>Excellent</b>  |   |
|   |  | <b>Carbon Neutral</b>   |
|   |  | <b>A (0 to 15)</b>  |
|   |  | <b>B (16 to 30)</b>   |
|   |  | <b>C (31 to 45)</b>   |
|    | <b>D (46 to 60)</b>   |   |
|    | <b>E (61 to 80)</b>   |   |
|    | <b>F (81 to 100)</b>  |   |
|    | <b>G (100+)</b>   |   |
| <b>Carbon Dioxide Emissions</b>   |   | <b>G<br/>Very Poor</b>  |
| The number refers to the calculated carbon dioxide emissions in terms of kg per m <sup>2</sup> of floor area per year   |   | <b>142</b>  |
| Approximate current energy use per m <sup>2</sup> of floor area:  |   | <b>511 kWh/m<sup>2</sup></b>  |
| Main heating fuel: Oil  |   | Building Services: Heating with Nat. Vent.  |
| Renewable energy source:  |   | Electricity: Grid supplied  |
| <b>Carbon Dioxide is a greenhouse gas which contributes to climate change.<br/>Less Carbon Dioxide emissions from buildings helps the environment.</b>  |   |   |
| <b>Benchmarks</b>   |   |   |
| A building of this type built to building regulations standards current at the date of issue of this certificate would have a rating:   |   | <b>40</b>  <b>C</b>  |
| Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:   |   | <b>69</b>  <b>E+</b> |
| <b>Recommendations for the cost-effective improvement (lower cost measures) of the energy performance</b>   |   |   |
| <p>1. Consider replacing old fluorescemt lamps with retrofit T5 conversion kit.</p> <p>2. Roof is poorly insulated. Install or improve insulation of roof.</p> <p>3. Consider switching from oil or LPG to natural gas.</p> <p>4. Improve insulation on HWS storage.</p> <p>5. Some windows have high U-values - consider installing secondary glazing.</p> <p>6. Consider replacing heating boiler plant with a condensing type.</p> |   |   |

**Address:** Main Building & Swimming pool, Aberdeen Grammar School, Skene Street, 9644  
**Conditioned area (m<sup>2</sup>):**  
**Name of protocol organisation:** BRE Global, [BRE-ND-EPC00492]  
**Date of issue of certificate:** 09 Jun 2010 (Valid for a period not exceeding 10 years)  
 This certificate is a requirement of EU Directive 2002/91/EC on the energy performance of buildings.  
**NB THIS CERTIFICATE MUST BE AFFIXED TO THE BUILDING AND NOT REMOVED UNLESS REPLACED WITH AN UPDATED VERSION AND FOR PUBLIC BUILDINGS DISPLAYED IN A PROMINENT PLACE**