











Building Energy Performance		Scotland
Energy Performance Certificate	Calculated asset rating using iSBEM v4.1.c [SBEM]	Building type Non-residential Inst.: Education
	<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>Very Poor</b>		
<b>Carbon Dioxide Emissions</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>45</b>
Approximate current energy use per m <sup>2</sup> of floor area:		<b>188 kWh/m<sup>2</sup></b>
Main heating fuel: Natural Gas		Building Services: Heating with Nat. Vent.
Renewable energy source: Solar thermal		Electricity: Grid supplied
<b>Carbon Dioxide is a greenhouse gas which contributes to climate change. 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>19</b>  <b>B+</b>
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:		<b>33</b>  <b>C+</b>
<b>Recommendations for the cost-effective improvement (lower cost measures) of the energy performance</b>		
1. Install Occupancy Sensing controls.	4. Consider replacing T8 lamps with retrofit T5 conversion kit.	
2. Appoint member of staff as Energy Manager.	5. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	
3. Add time control to HWS secondary circulation.	6. Add optimum start/stop to the heating system.	

**Address:** Walker Road Primary School, Walker Road, Torry, Aberdeen, AB11 8DL  
**Conditioned area (m<sup>2</sup>):** 4462  
**Name of protocol organisation:** BRE Global, [BRE-ND-EPC00535]  
**Date of issue of certificate:** 28 Apr 2011 (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**