

      School

**Star Criteria**

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| 1. **Conduct a Lighting Investigation or Audit**   The school has conducted a lighting investigation or audit of classroom and hallways. The audit should include the number and types of lights; an estimate of the energy used (kWh) each day for lighting; and the savings that could be made / have been made by replacing lights with energy efficient models. (Note: can be completed as part of overall energy audit).  *Evidence: Results of the investigation or audit, including details above.* |
| 1. **Implement a Smart Lighting Policy**   The school has implemented a Smart Lighting Policy including education and monitoring to encourage efficient use of lighting.  Evidence: Copy of Policy and evidence of implementation (e.g. photographs and inspection checklists). |
| 1. **Some Lights are Energy Efficient**   The school has begun replacing classroom and hallway fittings with energy efficient models.  Evidence: Photographic evidence. The statement providing details of number of fittings that have been upgraded. |

**Section 1 – Lighting Audit**

**Activity How much energy is used for lighting at your school?**

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| **Location** | **Type of light fitting** | **Number of fittings(no.)** | **Watts per fitting (W)** | **Hours used per day (h)** | **kWh/fitting /day**  **(Wxh÷1000)** | **Total kWh used /day**  **(kWh x no.)** |
| Classrooms |  |  |  |  |  |  |
| Hallways |  |  |  |  |  |  |
| Outdoor Walkways |  |  |  |  |  |  |
| Office and staff rooms |  |  |  |  |  |  |
| Library |  |  |  |  |  |  |
| Canteen |  |  |  |  |  |  |
|  | | | | | **TOTAL** |  |

**Calculate the electricity saved per year for smart lighting**

**Required Data**

A single 28 W T5 linear fluorescent luminaire uses 32 Watts per fitting (including ballasts).

**Calculations**

Usage from single T5 fittings =       number of fittings x 32 watts x       hours (average usage per day)

=       kWh per day

Electricity savings per day =       (Estimated school usage) —       (Usage from single T5 fittings)

=       kWh per day

Electricity saved per year =       kWh per day x 200 days =       kWh per year

**Result**

Our lights use approximately       kWh per year.

**Section 2 – Implementation of Smart Lighting Policy**

\* Insert or attach your Smart Lighting Policy

Tell us how your Smart Lighting Policy has been implemented.

**Section 3 – Some Lights are Energy Efficient**

\* Insert or attach photographic evidence

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| Number of fittings replaced: |  |
| Lighting Type: |  |
| Date of upgrade: | (if known) |