

## **Transition black isle sub project plan 2011 application**

### **Education group sub project**

#### **Summary section**

##### **Purpose**

To ensure that children, young people and vulnerable adults are considered and encouraged to participate in TBI projects.

##### **Broad activities**

To offer support and establish links with Black Isle Schools to develop educational strategies to reduce CO2 emissions and promote behaviour change through staff training, educational visits and the development of growing initiatives and community orchards.

##### **Outputs**

- Links established with Black Isle schools
- Local growing programme developed to fit with terms and curriculum
- Teachers trained
- Pupils visits to education centre and community gardens.
- Facilitate creation of community orchard
- Training for volunteers to assist project objectives

##### **Co2 impact**

925.34t

##### **Total cost**

£5810

#### **Detailed description**

##### **Activity one**

Funded school visits

##### **Description**

A funded visit to an education centre for Black Isle primary school children to learn about carbon saving activities including waste reduction, energy use and the way we approach consumption.

Loch na Mhoid Community Garden is a small croft on the outskirts of Muir of Ord which welcomes visits from small groups of pupils and staff from local schools. Activities can be run to suit the schools current areas of study and linked to Curriculum for Excellence outcomes and experiences.

### **Outputs and key milestones**

One Class from each Black Isle Primary School would be able to visit the centre for a day to participate in this programme. Each class should be allocated £200 to cover the cost of a day at the centre and a subsidy towards transport (in some cases this may cover the total cost)

Up to 6 visits by three local schools to community garden supported by visits into the school

Support time for teaching staff

**April**

**May** 2 visits to education centre

**June** 1 visits to education centre, 1 visit to LNM

**July**

**August** 2 visits to education centre, 1 visit to LNM

**September** 3 visits to education centre, 1 visit to LNM

**October**

**November**

**December**

**January**

**February**

### **Costs by type**

Contribution towards transport from school to community garden  $6 \times £50 = £300$

Support time  $3 \times 0.5 \text{ days} @ £150/\text{session} = £450$

Education centre visits, £1600

### **Table of monthly costs with total**

**April**

**May £400**

**June £450**

**July**

**August £650**

**September £850**

**October**

**November**

**December**

**January**

**February**

**Total**

**£2350**

### **Co2 calculations explained**

Behaviour change resulting in 10% personal CO2 emissions reduction from participants over funding period.

(8.57t CO2/cap)<sup>1</sup> Average carbon emissions of Scottish individual over 1 year.

0.71467t per month,

60x10 months = 285.67t

20x9 months = 128.55t

40x7 months = 199.96t

60x6 months = 257.1t

Total for education centre visits = 871.21t CO2

---

<sup>1</sup> <http://www.scotlandfootprint.org/pdfs/LowFootprintScotland.pdf>

## Activity 2

### Programme of Continuing Professional development

#### Description

In consultation with Education Department and school staff provide one FREE day-long continuing professional development opportunity for school staff during the Spring term (possibly in conjunction with existing providers such as Royal Horticultural Society.) Offer one FREE bespoke twilight session to each of three local schools on topics of their choice.

#### Outputs and key milestones

1 one- day networking event on topics related to sustainable lifestyles - food growing, low/zero energy usage, zero waste, transport options. Improving local habitats for wildlife/biodiversity

3 bespoke twilight sessions for three local schools on topics of their choice related to above topics

Approach schools, education authority and Outdoor Learning Group for advice on working in conjunction with other CPD providers,

#### Costs by type

Co-ordination and delivery of 1 day-long CPD course = £500 (Feb/March)

Delivery of three twilight sessions = £450 (March/April)

Advice service for schools in area of sustainability, Eco Schools, outdoor learning.= £1000 (April 2011-March 2012)

#### Table of monthly costs with total

April

May

June

July

August

September

October

November

**December**

**January**

**February**

**Total**

£1950

**Co2 calculations explained**

Behaviour change, supporting the maintaining of reductions from education centre visits

**Activity 3**

Growing plan with schools

**Description**

Develop a plan and resources for a local school to participate in food growing in the community. A volunteer led project to work with a school over one year to get gardening and develop a plan to implement a community orchard

**Outputs and key milestones**

- Join eco committee and develop ideas with children
- Develop growing plan for community garden
- Introduce concept of community orchard and develop into action plan
- Training of volunteers in appropriate skills to develop project

**Costs by type**

Seeds £50

Equipment £300

Trees £200

Groundwork £500

Skills training £600

Project development time £600, 48hrs @ £12.50 per hour

**Table of monthly costs with total**

**April**

Seeds £25, equipment £100, development time £200

**May**

**June**

**July**

Skills training £600

**August**

Seeds £25, equipment £100

**September**

**October**

**November**

Trees £200, equipment £100, groundwork £500, development time £200

**December**

**January**

**February**

Development time £200

**Total**

£2250

**Co2 calculations explained**

Behaviour change / produce record/ orchard legacy

$(8.57\text{t CO}_2/\text{cap})^2$  Average carbon emissions of Scottish individual over 1 year.

Estimate to engage 80 children with the aim of reducing CO2 emissions by 10% through increased awareness and behaviour change.

$0.857 \times 80 = 64.96 \text{ t}$  over one year

54.13t carbon saving over 10 months of project funding

---

<sup>2</sup> <http://www.scotlandfootprint.org/pdfs/LowFootprintScotland.pdf>