Overview of Schools Programme

Aoife Cannon, SEAI
Schools Workshops for Students

- Four types:
  - Guzzler for 5 to 7 year olds
  - Energy Challenge – 8 to 12 year olds
  - Everyday Energy – 13 to 15 year olds
  - Climate Champions – 16 & 17 year olds
Schools Workshops for Students

- Hands-on, interactive – children will learn by doing
- Delivered 650 workshops to approx 16,000 students 2014/2015 academic year
Teacher Workshops

- Ensure teachers have the knowledge to teach energy
- Teacher workshops 2014/2015:
  - 50 schools, 500 teachers
- 2 hours after school
- Teacher summer course July
- Workshop content developed by Irish Teacher College of Education
- Aligns with curricula:
  - Science curriculum for primary schools
  - Science, Geography, Civic/Social and Home Economics at for post primary schools
Delivery of workshops

- Environmental/Science Centres in Ireland
Resources for schools

- Exploring our Energy – resource for primary schools
- 4 programmes - one for each age group
- Each programme has:
  - Booklet with lessons
  - Digital resources
  - Worksheets
  - Teacher guidelines
Resources for Schools

- Books, worksheets, lessons, teacher guides, posters, stickers

- Website
  - on-line resources
  - Available to download
  - Order copies
Primary Schools

Welcome to SEAI’s website for primary school teachers. This site aims to help you bring the topic of energy into the classroom.
Evaluation

- Questionnaire after all workshops
- Schools thermometer pack for those providing feedback
- Listen to comments from teachers
- Gather feedback, analyse during summer
- Amend/update workshops & resources
Energy in Education Programme

- Support to schools to save energy and cut costs
- Energy Management Courses (2 x half day workshops)
- Pack – Guides and workbooks
- Website with resources
- Advice, mentoring and Assessments (AMA service)
One Good Idea project

- 750 students participating in the One Good Idea competition annually
- Open to all schools in Ireland
- Students develop an awareness project
- Support from AIB
E-Receipts

By Ben Brown, Sean Hannon, and Cian Dunne

The Introduction

Paper receipts result in the loss of nine and a half million trees per year. We are trying to combat this problem with our next idea, E-Receipts. This will be supported by an app which we carried out in different parts of Dublin. In this survey we asked over 100 people questions like how often and why the people surveyed throw away their receipts.

The Team

Hi, my name is Ben Brown. I'm 14 years old and I like computers and rowing.

Hi, my name is Sean Hannon. I am 14 years old and I love to do. I am also into photography, rowing and sailing.

Hi, my name is Cian Dunne. I am 13 years old and I love rowing, football and cycling.

E-receipts, What Are They?

E-Receipts are a new way to send and receive receipts. The E-Receipts will be sent to your email. An app will also be used for this process.

How Will They Help The Environment?

As we mentioned earlier nine and a half million trees are cut down to make paper receipts. With the use of E-Receipts we will not only reduce the amount of trees cut down to make paper receipts, we will also reduce carbon emissions from the burning of the receipt's toxic, non-recyclable ink.

Sample Receipt

QR Codes

A QR code (Quick Response Code) is a type of bar code. It is made up of a series of squares and rectangles. We plan to send these to our advantage and send receipts using QR codes.

We have found a website that will change the QR into a QR code.

Survey

We were able to survey over 100 people across South Dublin, in places such as Glenageary and Blackrock. We got the following results......
Jayne Dunne and Frances O’ Connell

Green Revolution
Presentation Secondary School, Thurles, Co Tipp.

Reduce your Farms Carbon Hoofprint

- Longer Grazing Season
- Lower age at first calving
- Increased Calving rate
- Improved Growth Rate
- Improved Slurry Management
- Improved nitrogen efficiency
- Buy Hereford and Angus

Our Campaign

Proof our campaign worked

Dairy farmers driving booming Angus trade

Trend
Results

• Snapshot of 2014/2015:
  – 820 workshops to approx. 24,000 students & 450 teachers countrywide
  – 190,000 visits to website
  – 750 students participating in One Good Idea project
  – 9 outreach centres
  – Active on Facebook & Twitter
  – Over 3,000 subscribers to ezine (newsletter)
To summarise

Role:
• To provide energy education for schools, informing attitudes, beliefs and behaviours

Objectives:
• That children develop a positive approach to sustainable energy
• To embed sustainable energy in all relevant curricula
• Ensure teachers up skilled in teaching energy
• To have a reputation as experts in the sector of energy education.