Engaging Schools on Energy & Climate: Lessons from the Make an Impact Program

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The Center for Climate and Energy Solutions (C2ES), formerly the Pew Center on Global Climate Change, brings together business leaders, policy makers, scientists, and other experts to provide credible information, straight answers and innovative solutions to address global climate change.

Our areas of focus and expertise include:

- **Policy analysis** (state, federal, and international)
- **Innovative technology solutions**
- **Climate science** (impacts, adaptation, communication)
- **Markets and business**
Business Environmental Leadership Council (BELC)
Make an Impact has grown from an employee engagement project to a full-scale program that empowers individuals and communities to take meaningful action toward sustainability and dollar savings.

- 4 corporate partners
- 7 branded websites and calculators
- 43 events in 20 states
- Programs on 4 continents

Benefits are far-reaching:

- Enhances organization’s reputation
- Engages and empowers employees and communities
- Leverages existing tools and programs
- Detailed reporting quantifies impact
Make an Impact: CO2 Schools’ Challenge is a school and community program designed to promote energy efficiency in our homes through a fun and engaging online competition.

- 25,000 people engaged
- 24 schools across the US
- 41 million lbs CO2 commitments (same amount captured by 15,000 acres of forests!)
- $29,000 in grants awarded
Online Program Tools

Student Resource Center

Pledge List

Carbon Calculator
Resources & Educational Materials

Make an Impact: Change Our 2morrow (CO2)

**Change Our 2morrow**

**Teacher’s Guide**

**Suggested Grade Level:**
- Grades 4-6

**Subject Focus:**
- Science
- Energy
- Environment
- Climate Change

**Materials & Preparations:**
- A lamp
- One CFL bulb, 13 watts
- One incandescent bulb, 60 watts
- A kilowatt meter
- A thermometer
- A calculator

**Time:**
- Demonstration: 10 to 20 minutes
- Mathemetic portion: 10 to 15 minutes

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**An Energy Expedition:**

**Teacher’s Guide**

**Suggested Grade Level:**
- Grades 4-6

**Subject Focus:**
- Science
- Energy
- Environment
- Climate Change

**Materials & Preparations:**
- Blank BINGO boards
- Pen or pencil
- List of catchwords and definitions (for teacher only)
- CO2 Schools’ Challenge Efficiency Toolkit
- Incentive or prize

**Time:**
- BINGO: 10 to 20 minutes per round (depending on the number of BINGOs called)
- Class discussion of vocabulary: 10 to 15 minutes

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**Catchword Bingo**

**Objectives:**
- Students will learn energy saving tips and become familiar with common Schools’ Challenge terminology. Students will see and experience real energy savings by interacting with tools from the CO2 Schools Challenge Efficiency Toolkit.

**Introduction & Background:**
- Being aware of your own energy use is important for many reasons. In order to reduce your impact and the impact of your family or community, it is necessary to learn about energy efficiency.

**Procedures:**
1. Hand out to each student one blank BINGO board.
2. Have students prepare their BINGO boards by writing one catchword in each square, until all squares are filled (there will be extra terms left over). The catchwords are listed underneath the BINGO board, at the bottom of the page.
3. To Play: Read aloud one randomly chosen catchword and its definition at a time to students. If the catchword is an item from the CO2 Schools Challenge Kit, make sure that all students can see the item. Have students mark each matching term with any type of symbol or mark in the box to show that box has been called. The CFL space is a “free” space.
4. Continue this process until a student announces they have 5 catchwords in a row, column, or diagonally, which is BINGO.
5. Have the student read aloud the catchwords to ensure the definitions are correct and it is a valid BINGO.
6. Decide on an incentive or prize for the winning students. This could be extra points on an upcoming assignment, a special treat, or a free homework pass, to name a few options. It is at the leisure of the Teacher to decide.

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Make an Impact: CO2

**Objective:**
- Visit aloca.com/makeanimpact

**Your School Can Win:**
- $3,000 & other great prizes
Lessons Learned

- Media attention is a great tool
- Informed & excited location leads are critical
- Technology: stay one step ahead
Thank you for your time!

For more information please contact
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