

## Full of Energy !

By reading and researching the Climate Change Exhibition in the Discovery Centre children can develop an appreciation of the importance of **climate change**, the contributing factors and possible actions and alternatives, followed by a chance to test their **research skills** through an **interactive quiz**.

Children will learn about **energy** and the importance of **responsible citizenship** in caring for our natural world whilst enhancing their knowledge of **renewable energy sources**.

Children will investigate how the Seabird Centre gets its energy from renewable energy sources by examining working models of **wind turbines** and **solar panels**. Then, using the knowledge gained they will take part in a **wind turbine challenge** to build the best wind turbine from a selection of materials.

## Experiences and Outcomes

### **TECHNOLOGIES** (technological developments in society)

Having analysed how lifestyle can impact on the environment and Earth's resources, I can make suggestions about how to live in a more sustainable way. TCH 2-02a

I can investigate the use and development of renewable and sustainable energy to gain an awareness of their growing importance in Scotland and beyond. TCH 2-2b

### **(Craft, design, engineering and graphics contexts for developing technological skills and knowledge)**

Through discovery and imagination, I can develop and use problem solving strategies to construct models. TCH 2-14a

### **SCIENCES** (Planet Earth)

Through exploring non-renewable energy resources, I can describe how they are used in Scotland today and express an informed view on their implications for their future use. SCN 2-04a

### **SOCIAL STUDIES** (People, place and environment)

I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally responsible way. SOC 2-08a

### **LITERACY**

I am developing confidence when engaging with others within and beyond my place of learning. I can communicate in a clear and expressive way and I am learning to select and organise resources independently. LIT 2-10a

### **HEALTH & WELLBEING**

Representing my class, school and or wider community encourages my self worth and confidence and allows me to contribute to and participate in society. HWB 2-12a

I know and can demonstrate how to travel safely. HWB 2-18a

[www.seabird.org](http://www.seabird.org)