

Main Criteria: Forward Education
Secondary Criteria: Northern Ireland - Mathematics, Northern Ireland - Science and Technology
Subjects: Mathematics, Science, Technology Education
Grades: 5, 6, Key Stage 2

Forward Education

How Wind Turbines Capture Kinetic Energy

Northern Ireland - Mathematics
Mathematics
Grade **Key Stage 2** - Adopted: **2012**

AREA OF LEARNING	NIR.1.	Mathematics and Numeracy
STRAND	1.1.	Processes in Mathematics
SUBSTRAND / ESSENTIAL KNOWLEDGE	1.1.1.	Making and Monitoring Decisions
STANDARD		Pupils should be enabled to:

INDICATOR	1.1.1.1.	Take increasing responsibility for selecting and using the materials and the mathematics required for their work.
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INDICATOR	1.1.1.4.	Develop a range of strategies for problem solving, looking for ways to overcome difficulties.
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AREA OF LEARNING	NIR.1.	Mathematics and Numeracy
STRAND	1.2.	Number
SUBSTRAND / ESSENTIAL KNOWLEDGE	1.2.1.	Understanding Number and Number Notation
STANDARD		Pupils should be enabled to:

INDICATOR	1.2.1.4.	Understand and use vulgar fractions, decimal fractions and percentages and explore the relationships between them.
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AREA OF LEARNING	NIR.1.	Mathematics and Numeracy
STRAND	1.5.	Handling Data
SUBSTRAND / ESSENTIAL KNOWLEDGE	1.5.1.	Collecting, Representing and Interpreting Data
STANDARD		Pupils should be enabled to:

INDICATOR	1.5.1.1.	Collect, classify, record and present data drawn from a range of meaningful situations, using graphs, tables, diagrams and ICT software.
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INDICATOR	1.5.1.4.	Design and use a data collection sheet; interpret the results; enter information in a database or spreadsheet and interrogate and interpret the results.
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Northern Ireland - Science and Technology
Science
Grade **Key Stage 2** - Adopted: **2007**

Course/Subject	THE WORLD AROUND US
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Objective		Movement and Energy
Statutory Requirement		Pupils should be enabled to explore:

The causes and effect of energy, forces and movement;