

Main Criteria: Forward Education
Secondary Criteria: Curriculum for Wales
Subjects: Mathematics, Science, Technology Education
Grades: 5, 6, Key Stage 2

Forward Education

Smart Farming with Automated Watering

Curriculum for Wales
Science
 Grade **Key Stage 2** - Adopted: 2008

Document		Key Stage 2 Programme of Study
Strand		Skills
Standard		Communication - Pupils should be given opportunities to:

Standard 2 communicate clearly by speech, writing, drawings, diagrams, charts, tables, bar charts, line graphs, videos, and ICT packages, using relevant scientific vocabulary

Document		Key Stage 2 Programme of Study
Strand		Skills
Standard		Enquiry - Pupils should be given opportunities to carry out different types of enquiry, e.g. pattern-seeking, exploring, classifying and identifying, making things, fair testing, using and applying models, by:
Standard		Planning - Pupils turn ideas suggested to them, and their own ideas, into a form that can be investigated. They outline the planned approach/method recognising, deciding upon and giving some justification for each of the following when appropriate:

Standard 5 the observations or measurements that need to be made

Standard 6 the equipment and techniques required for the enquiry

Document		Key Stage 2 Programme of Study
Strand		Skills
Standard		Enquiry - Pupils should be given opportunities to carry out different types of enquiry, e.g. pattern-seeking, exploring, classifying and identifying, making things, fair testing, using and applying models, by:
Standard		Developing - Pupils follow the planned approach/method, revise it where necessary, and where appropriate:

Standard 2 make careful observations and accurate measurements, using digital and ICT equipment at times

Standard 5 use some prior knowledge to explain links between cause and effect when concluding

Standard 7 form considered opinions and make informed decisions.

Document		Key Stage 2 Programme of Study
Strand		Skills
Standard		Enquiry - Pupils should be given opportunities to carry out different types of enquiry, e.g. pattern-seeking, exploring, classifying and identifying, making things, fair testing, using and applying models, by:
Standard		Reflecting - Pupils think about what they have done in order to consolidate learning and transfer skills, knowledge and understanding to other contexts by:

Standard	5	describing how they have learned and identifying the ways that worked the best
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Standard	6	linking the learning to similar situations, within and outside school.
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